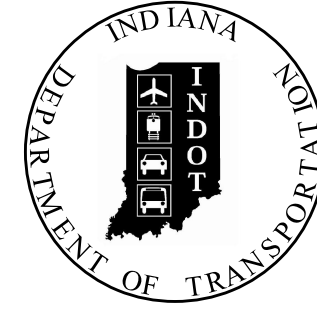


PROJECT	DESIGNATION
1600486	1600486
CONTRACT	BRIDGE FILE
B-39896	011-31-10182

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
011-31-10182	Reinforced Concrete Slab Bridge	1 Span @ 38'-9" Skew: 15° Lt.	South Fork Buck Creek	Sta. 131+24.00 Line "A"

INDIANA DEPARTMENT OF TRANSPORTATION



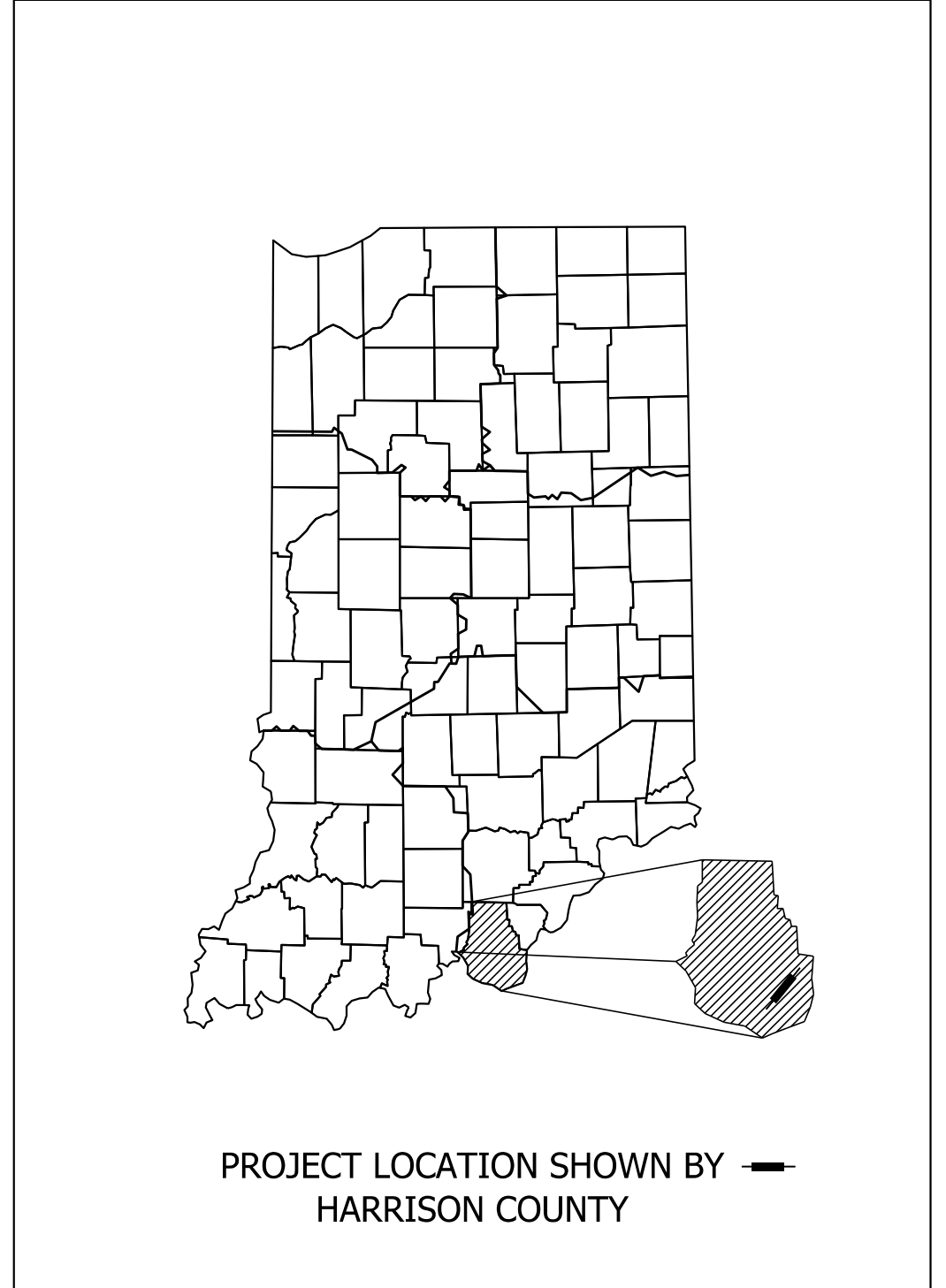
TRAFFIC DATA		
A.A.D.T. (2021)		3180 V.P.D.
A.A.D.T. (2041)		3656 V.P.D.
D.H.V		366 V.P.H.
DIRECTIONAL DISTRIBUTION		50/50 %
TRUCKS		10 % A.A.D.T. 10 % D.H.V.
DESIGN DATA		
DESIGN SPEED		50 M.P.H.
PROJECT DESIGN CRITERIA		3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION		MAJOR COLLECTOR
RURAL/URBAN		RURAL
TERRAIN		ROLLING
ACCESS CONTROL		NONE

BRIDGE PLANS

FOR SPANS OVER 20 FEET

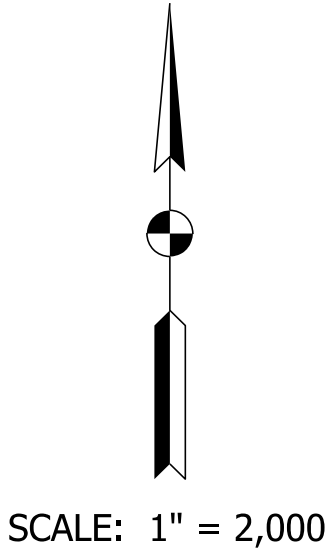
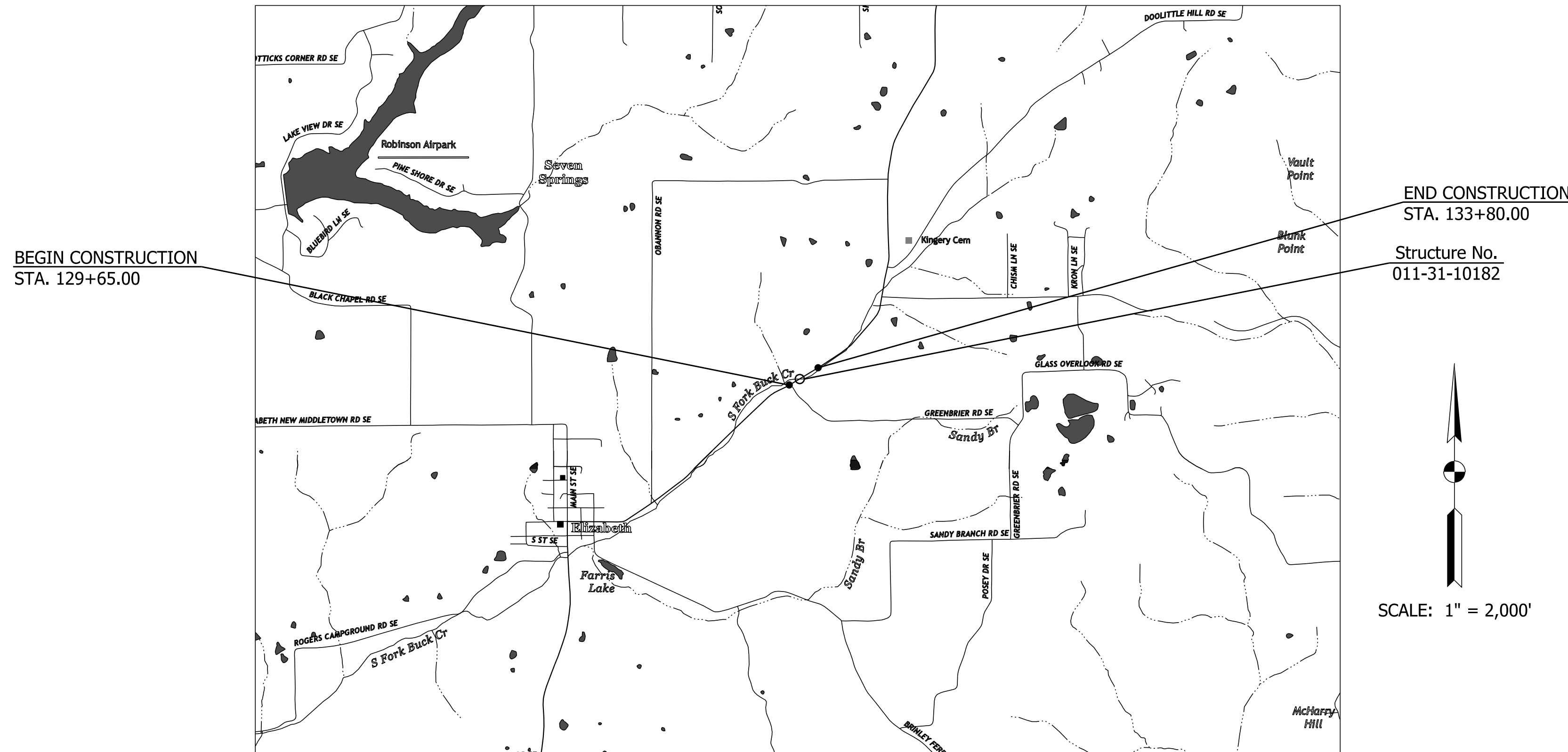
ROUTE: SR 11 AT: RP 19+76
PROJECT NO. 1600486 P.E
1600486 R/W
1600486 CONST.

Bridge Replacement on SR 11 over South Fork Buck Creek located 0.51 miles southwest of SR 211 in Section 27, T-4-S, R-5-E, Posey Township, Harrison County, Indiana



LATITUDE: 38° 07' 47" N LONGITUDE: 85° 57' 23" W

BRIDGE LENGTH:	0.006	MI.
ROADWAY LENGTH:	0.158	MI.
TOTAL LENGTH:	0.164	MI.
MAX. GRADE:	1.46	%



HARRISON COUNTY

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2020
TO BE USED WITH THESE PLANS

Plot: 9/11/2019 3:49:14 PM By: thornstam Pen: Transportation.tbl



PLANS PREPARED BY:	GAI Consultants Inc.	(317) 436-9150 PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE	
011-31-10182	
DESIGNATION	
1600486	
DRAWING NUMBER	SHEETS
CONTRACT	PROJECT
B-39896	1600486

UTILITIES

Service Area	Contact	Phone	Address
Harrison County REMC (Electric)	Kevin Burch kburch@harrisonremc.com	(812) 738-4115	1165 Old Forest Road Corydon, IN 47112
Centurylink	Xan Marie Rypkema xan.rypikema@centurylink.com	(720) 888-1089	1025 Eldorado Blvd. Broomfield, CO 80021
Indiana Utilities Corporation (Gas)	Kevin Kinney iucop@portative.net	(812) 738-3235	123 W. Chestnut Street Corydon, IN 47112
Frontier Communications (Telephone)	Scott Shields scott.d.shields@ftr.com (812) 639-1835 (Cell)	(812) 634-0335	505 Newton Street Jasper, IN 47546
Town of Elizabeth Water Utility (Water)	John Hall bjhj17@frontier.com	(812) 972-0296	8128 Hurricane Street Elizabeth, IN 47117

GENERAL NOTES

All disturbed areas shall be mulch seeded unless noted otherwise.

INDEX

SHEET NO.	DRAWINGS INDEX
1	TITLE SHEET
2	INDEX SHEET
3	TYPICAL CROSS SECTION
4-5	MAINTENANCE OF TRAFFIC
6-8	PLAN AND PROFILE LINE "A"
9	SUPERELEVATION TRANSITION
10	SOIL BORINGS
11	LAYOUT
12	GENERAL PLAN
13	BRIDGE SUMMARY
14-22	CROSS SECTIONS

REVISIONS

SHEET NO.	DATE	REVISED

Plot: 9/11/2019 3:49:18 PM By: lthornstun Pen: Transportation.tbl

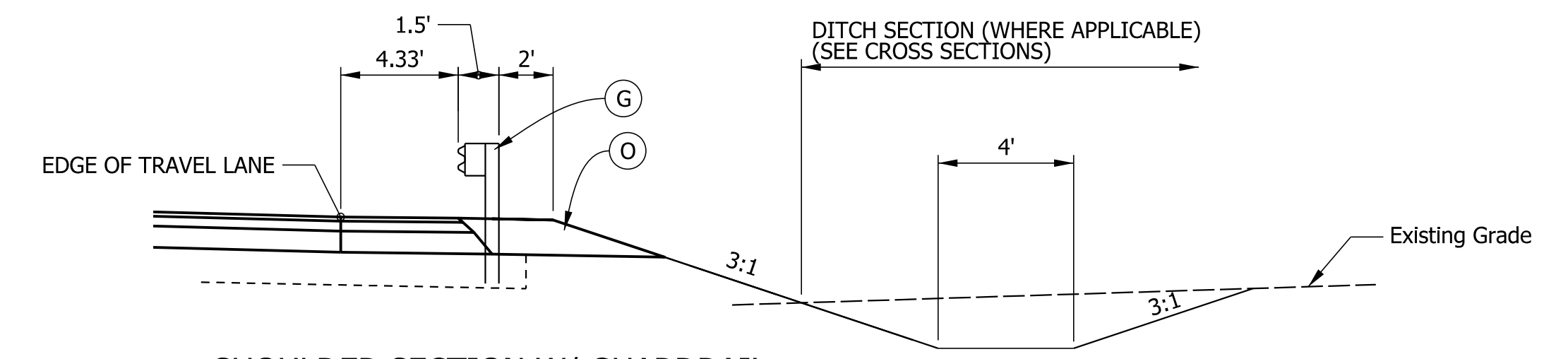
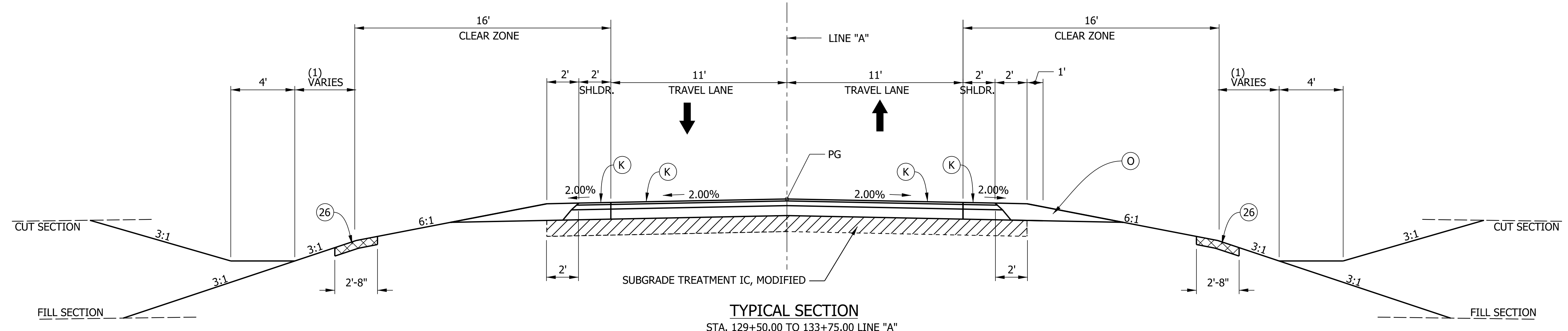


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: NRT _____	DRAWN: RLJ _____	
CHECKED: MJM _____	CHECKED: NRT _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

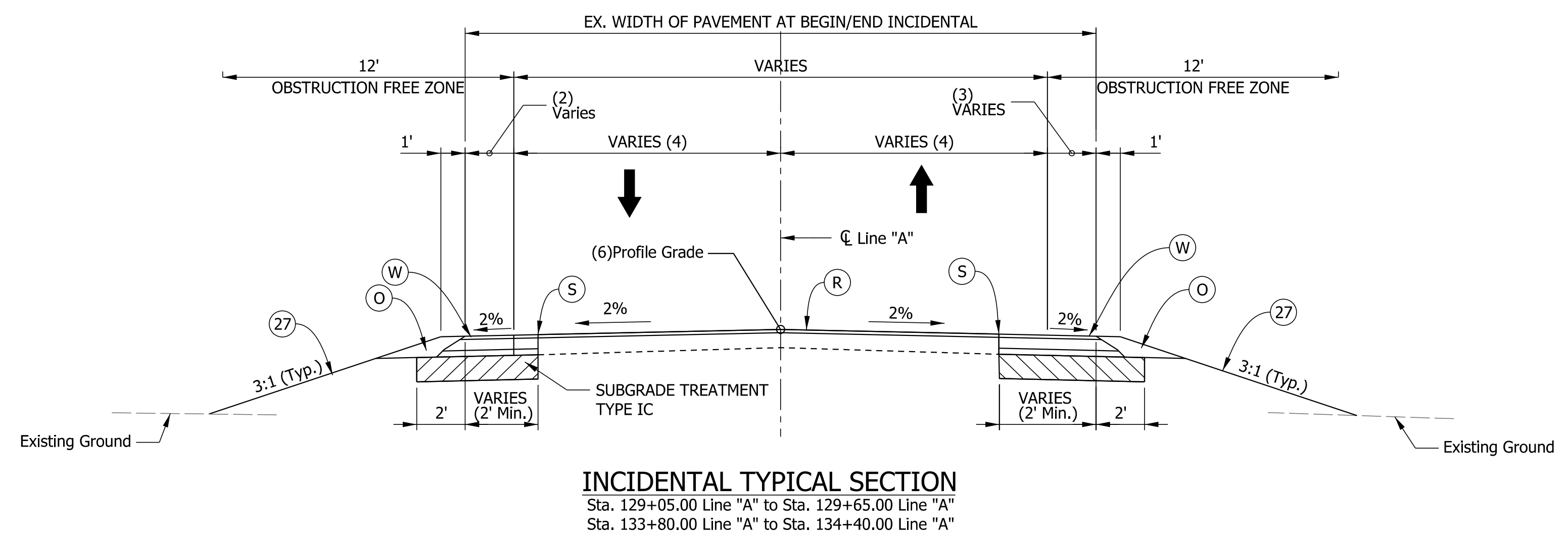
INDEX SHEET

BRIDGE FILE 011-31-10182	
DESIGNATION 1600486	
DRAWING NUMBER	SHEETS
2	of 22
CONTRACT B-39896	PROJECT 1600486



SHOULDER SECTION W/ GUARDRAIL
 STA. 129+67.06 TO 132+53.86 LINE "A" (RIGHT SIDE)
 STA. 129+94.13 TO 132+89.58 LINE "A" (LEFT SIDE)

- NOTES:**
- (1) EQUALS 0'-0" FOR STANDARD DITCH. VARIES ACCORDING TO DITCH ELEVATION AND GRADE FOR SPECIAL DITCHES. (SEE PLAN & PROFILE AND CROSS SECTIONS)
 - (2) VARIES EXISTING SHOULDER WIDTH TO 2.93', STA. 129+05.00 TO 129+65.00 LINE "A" = 0'-0", STA. 133+80.00 TO 134+40.00 LINE "A"
 - (3) = 0'-0", STA. 129+05.00 TO 129+65.00 LINE "A" VARIES 2.0' TO EXISTING SHOULDER WIDTH, STA. 133+80.00 TO 134+40.00 LINE "A"
 - (4) VARIES EXISTING LANE WIDTH TO 11'-0".



- LEGEND**
- (26) SEEDING, TYPE R
 - (27) SEEDING, TYPE R
 - (K) 165 LBS/SY HMA SURFACE, TYPE B ON
330 LBS/SY HMA INTERMEDIATE, TYPE B ON
825 LBS/SY HMA BASE, TYPE B, ON
 - (O) COMPACTED AGGREGATE, No. 53 (10 IN. MAX.)
 - (R) MILLING, ASPHALT, 1½IN. AND
VARIABLE DEPTH (165 LBS/SYS Min.) QC/QA-HMA, 3, 70, SURFACE, 9.5 MM
 - (S) SAWCUT
 - (W) VARIABLE DEPTH (165 LBS/SYS Min.) QC/QA-HMA, 3, 70, SURFACE, 9.5 MM ON
WIDENING WITH HMA, TYPE B:
330 LBS/SYS HMA INTERMEDIATE, 19.0 MM ON
7.5" COMPACTED AGGREGATE, No. 53
(HMA SURFACE LAYER TO MATCH RESURFACE THICKNESS)

Plot: 9/12/2019 3:20:58 PM By: huythkt Pen: Transportation.tbl

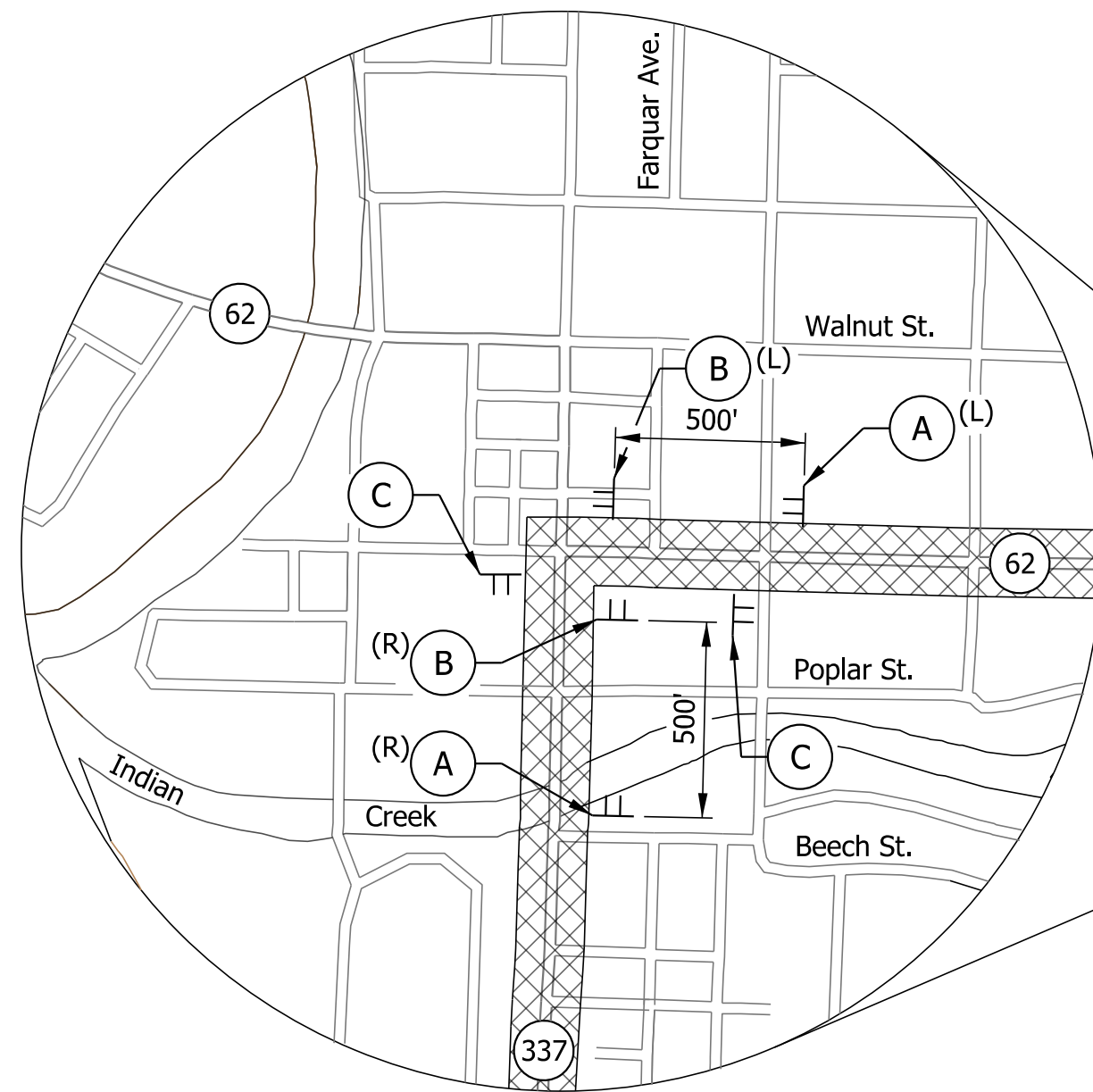


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CHECKED: BWC	CHECKED: BWC	

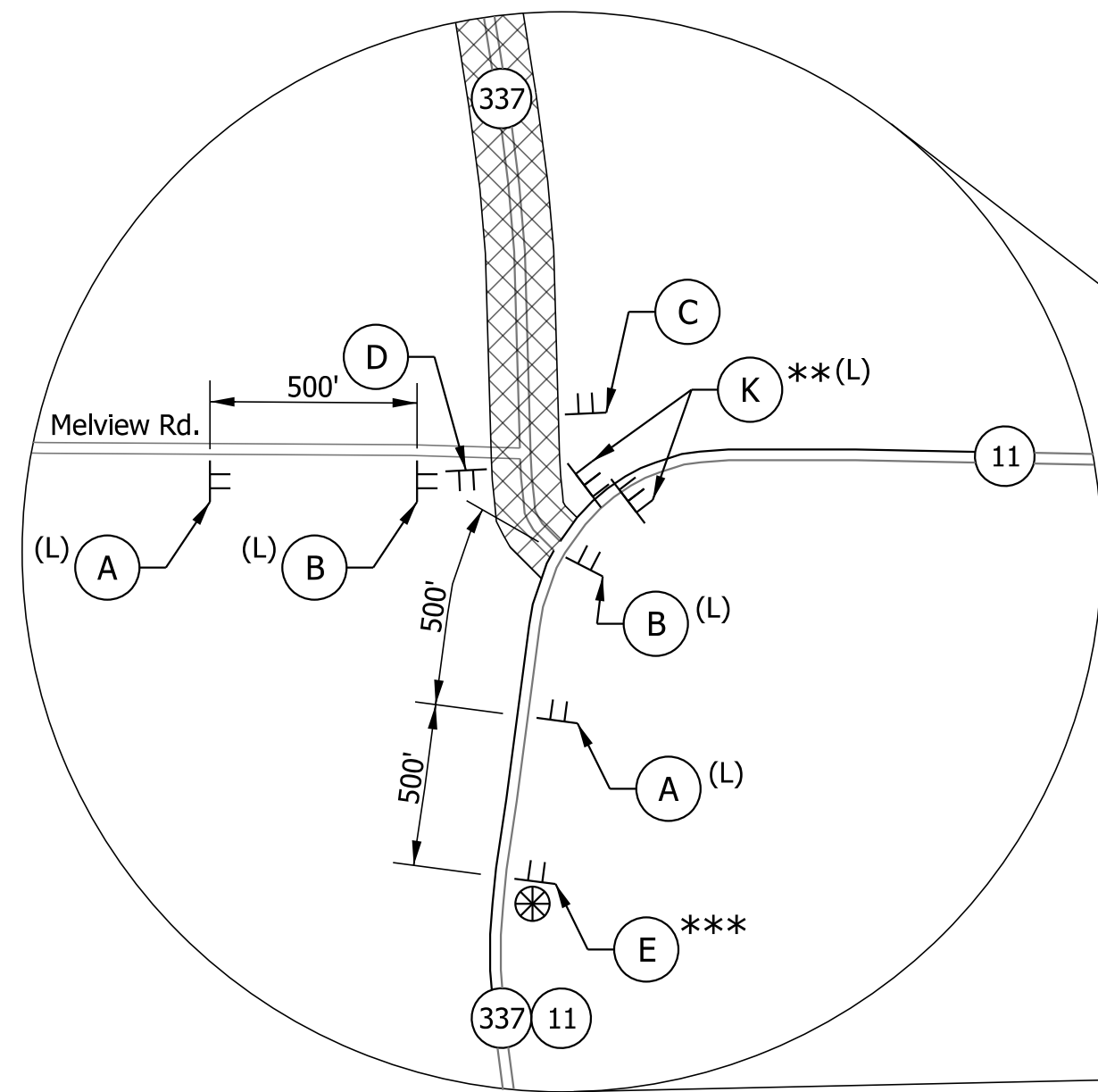
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION CROSS SECTIONS
SR 11

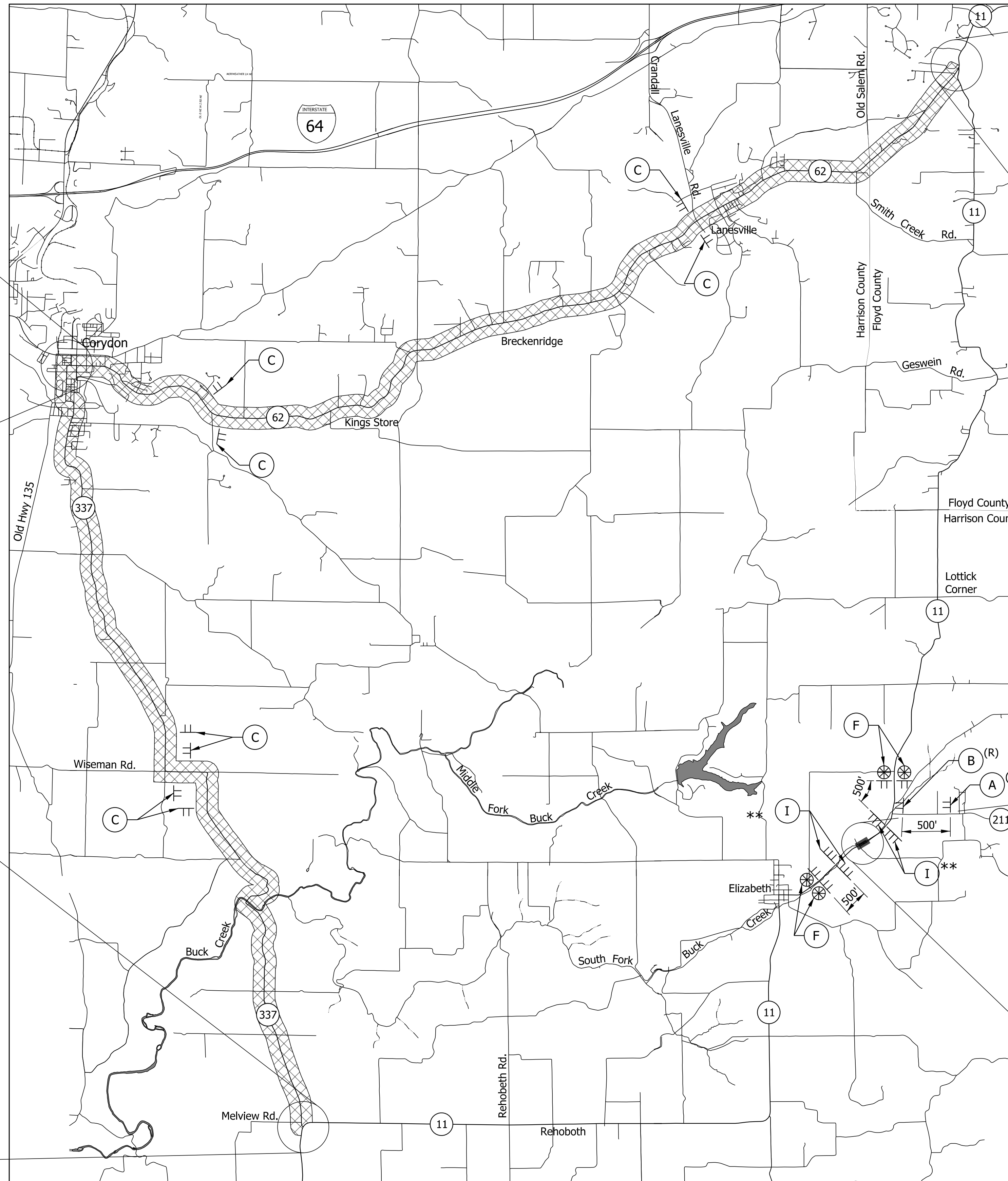
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	011-31-10182
VERTICAL SCALE	DESIGNATION
	1600486
DRAWING NUMBER	SHEETS
of	3 of 22
CONTRACT	PROJECT
B-39896	1600486



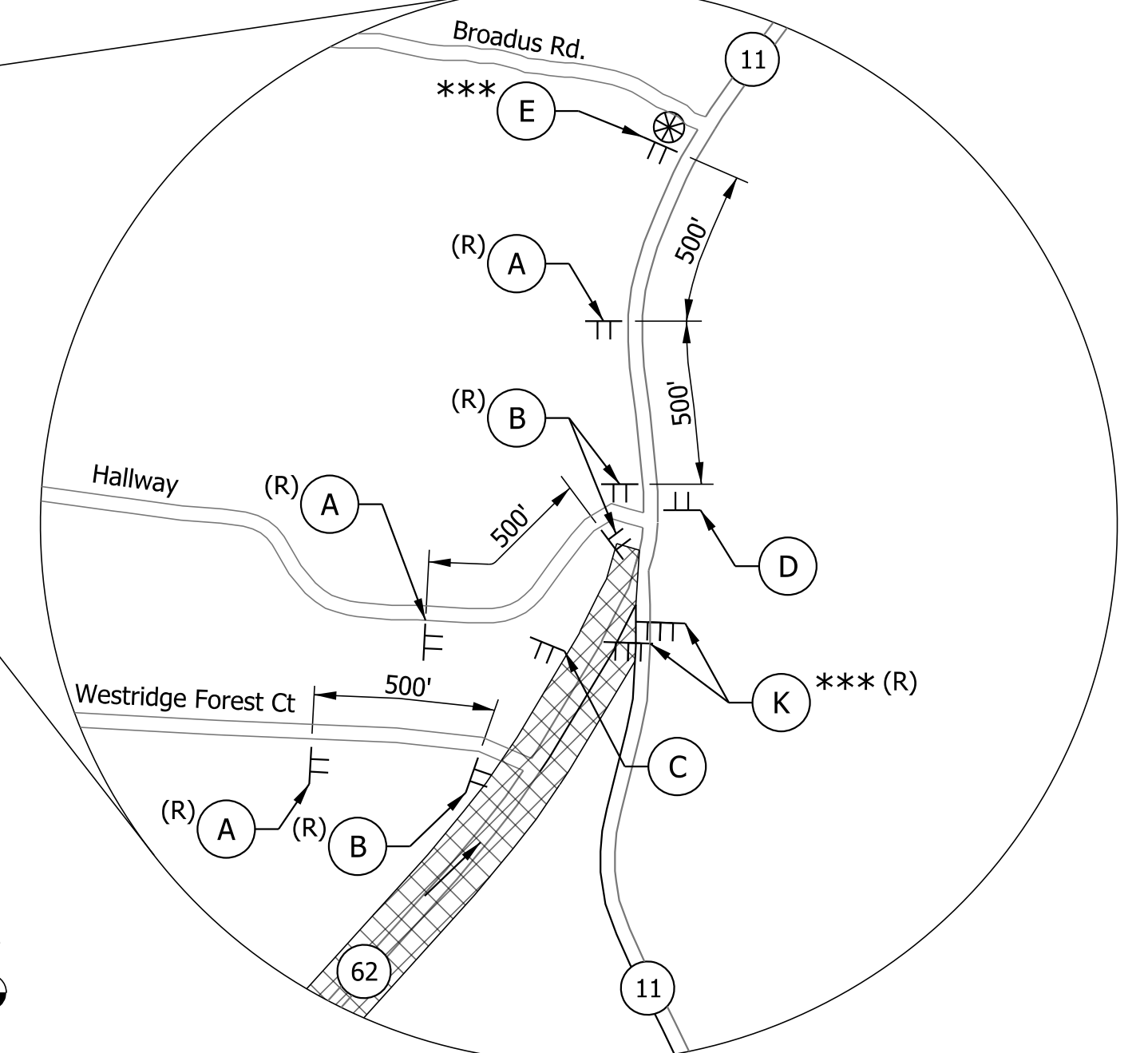
INTERSECTION OF SR 337 AND SR 62
Scale: 1"=500'



INTERSECTION OF SR 11 AND SR 337
Scale: 1"=500'

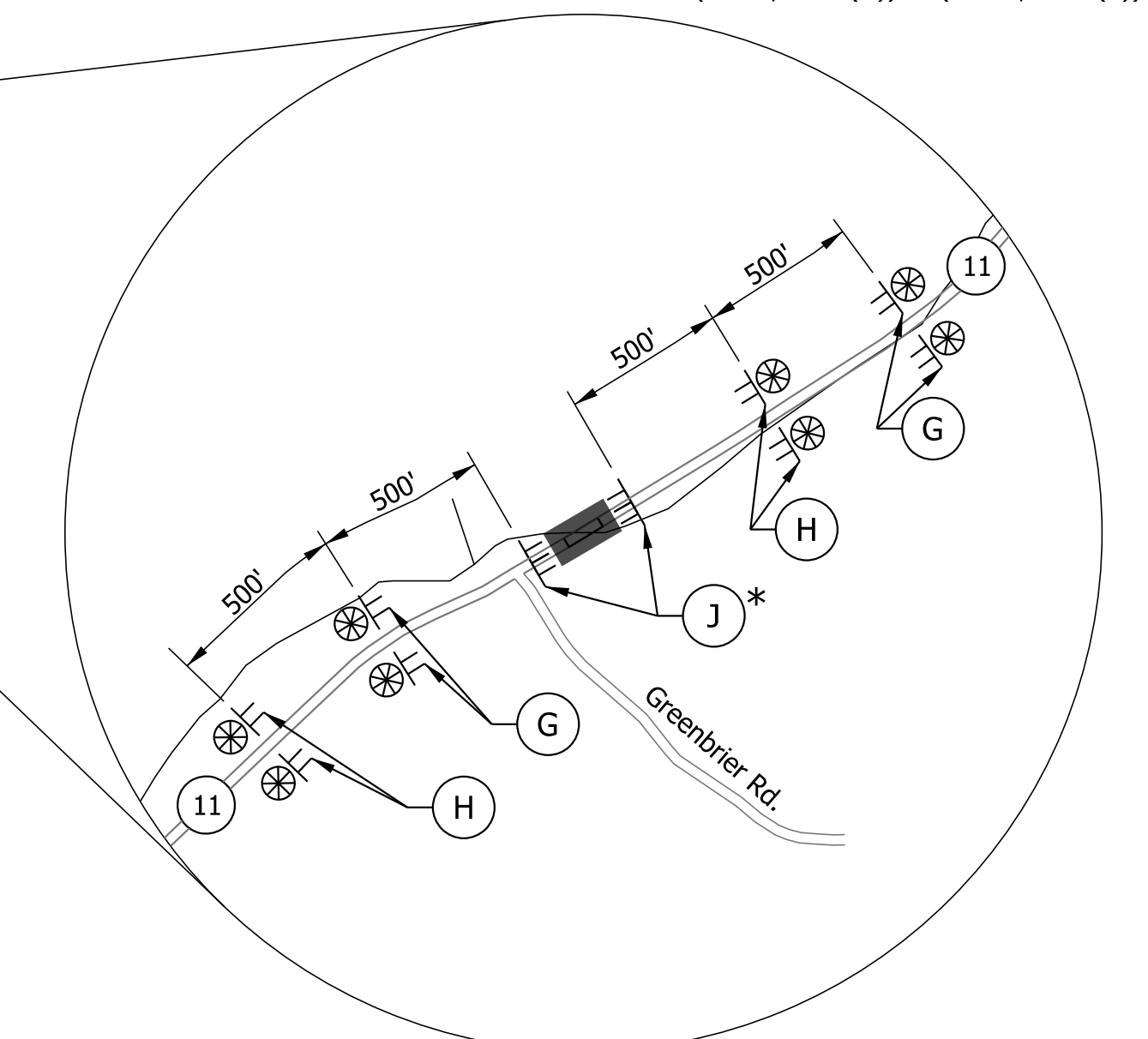


DETOUR PLAN
Scale: 1"=4000'



INTERSECTION OF SR 11 AND SR 62
Scale: 1"=500'

- LEGEND**
- Detour Route
 - Construction Sign
 - Low Intensity Construction Warning Light, Type A
 - Type III-A Barricades
 - Closure Area
 - With 24 Lft. of Type III-A Barricade
 - With 8 Lft. of Type III-B Barricade
 - With State Road (11) Sign (M1-5) Cardinal Direction (North, M3-2(N) or (South, M3-4(S))



PROJECT WORKSITE
Scale: 1"=500'

Plotted: 9/11/2019 11:46:51 AM By: huyntkt Pen: Transportation.tbl



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CLF	DRAWN: CLF	
CHECKED: JAS	CHECKED: JAS	

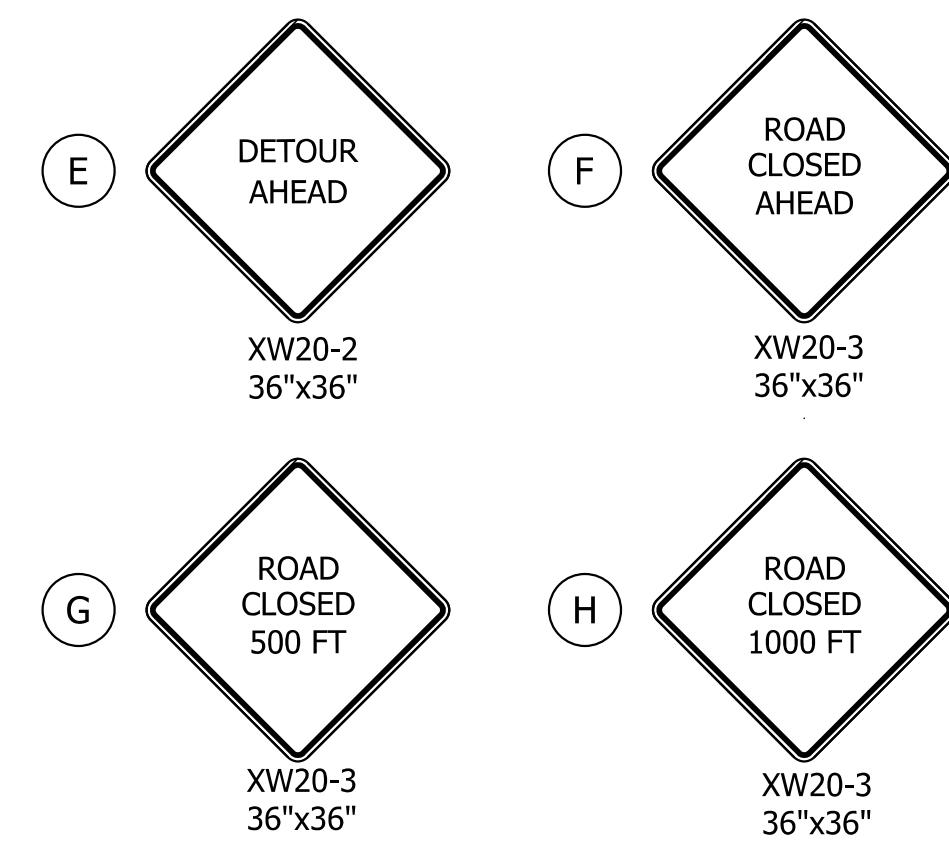
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

SCALE AS NOTED	BRIDGE FILE 011-31-10182
DRAWING NUMBER	DESIGNATION 1600486
CONTRACT B-39896	SHEETS 4 of 22
	PROJECT 1600486

SIGN LEGEND:

- A** Advance Turn Detour Route Marker Assembly
Detour (XM4-8)
Cardinal Direction (North, M3-1(S)) or (South, M3-3(S))
State Route (11) (M1-5)
Advance Turn Arrow (M5-1 or M5-2) (L or R)
- B** Directional Detour Route Marker Assembly
Detour (XM4-8)
Cardinal Direction (North, M3-1(S)) or (South, M3-3(S))
State Route (11) (M1-5)
Directional Arrow (M6-1 or M6-2) (L or R)
- C** Confirming Detour Route Marker Assembly
Detour (XM4-8)
Cardinal Direction (North, M3-1(S)) or (South, M3-3(S))
State Route (11) (M1-5)
Directional Arrow (M6-3)
- D** End Detour Route Marker Assembly
End Detour (XM4-8a)
Cardinal Direction (North, M3-1(S)) or (South, M3-3(S))
State Route (11) (M1-5)



- I** Road Closure Sign Assembly
"Road Closed __ Miles Ahead" (R11-3a)
- J** Road Closure Sign Assembly
"Road Closed" (R11-2)
- K** Road Closure Sign Assembly
"Road Closed __ Miles Ahead" (R11-3a)
"Detour Arrow" (XM4-10 (L or R))

NOTES:

1. Refer to INDOT Standard Drawing E 801-TCDD-01 for placement of signs and devices in a rural detour and E 801-TCDD-04 for Detour Route Marker Assembly Details.
2. Two - "Route Number Closed On or After ___" Signs (XG20-5) to be placed as directed by the engineer prior to construction.
3. Upon completion of the project restripe the double yellow centerline and solid white edge lines and replace snowplowable raised pavement markers (SRPM).
4. Install R11-2 Road Closure sign assemblies on Type III-A barricades. Install R11-3a Road Closure sign assemblies on Type III-B barricades.

CONSTRUCTION SIGN SUMMARY TABLE		
DESCRIPTION	SIGN TYPE	MAX TOTAL
ROUTE NUMBER CLOSED ON OR AFTER ___ (XG20-5)	A	2
ADVANCE DETOUR (XW20-2)	A	2
ROAD CLOSED 500 FT (XW20-3)	A	4
ROAD CLOSED 1000 FT (XW20-3)	A	4
ROAD CLOSED AHEAD (XW20-3)	A	4
CARDINAL DIRECTION (NORTH) (M3-2)	B	1
CARDINAL DIRECTION (SOUTH) (M3-4)	B	1
STATE ROUTE (SR 11) (M1-5)	B	2

PAVEMENT MARKINGS TABLE				
LOCATION	LINE, MULTI-COMPONENT			SNOWPLOWABLE RAISED PAVEMENT MARKER
	SOLID YELLOW 4 IN.	SOLID WHITE 4 IN.	BROKEN YELLOW 4 IN.	
UNIT	LFT	LFT	LFT	EACH
TOTALS	840	1,680	210	21

MAINTENANCE OF TRAFFIC QUANTITIES		
ITEM	UNITS	QUANTITY
		TOTAL
CONSTRUCTION SIGN, A	EACH	16
CONSTRUCTION SIGN, B	EACH	4
ROAD CLOSURE SIGN ASSEMBLY	EACH	10
DETOUR ROUTE MARKER ASSEMBLY	EACH	30
BARRICADE, III-A	LFT	48
BARRICADE, III-B	LFT	64

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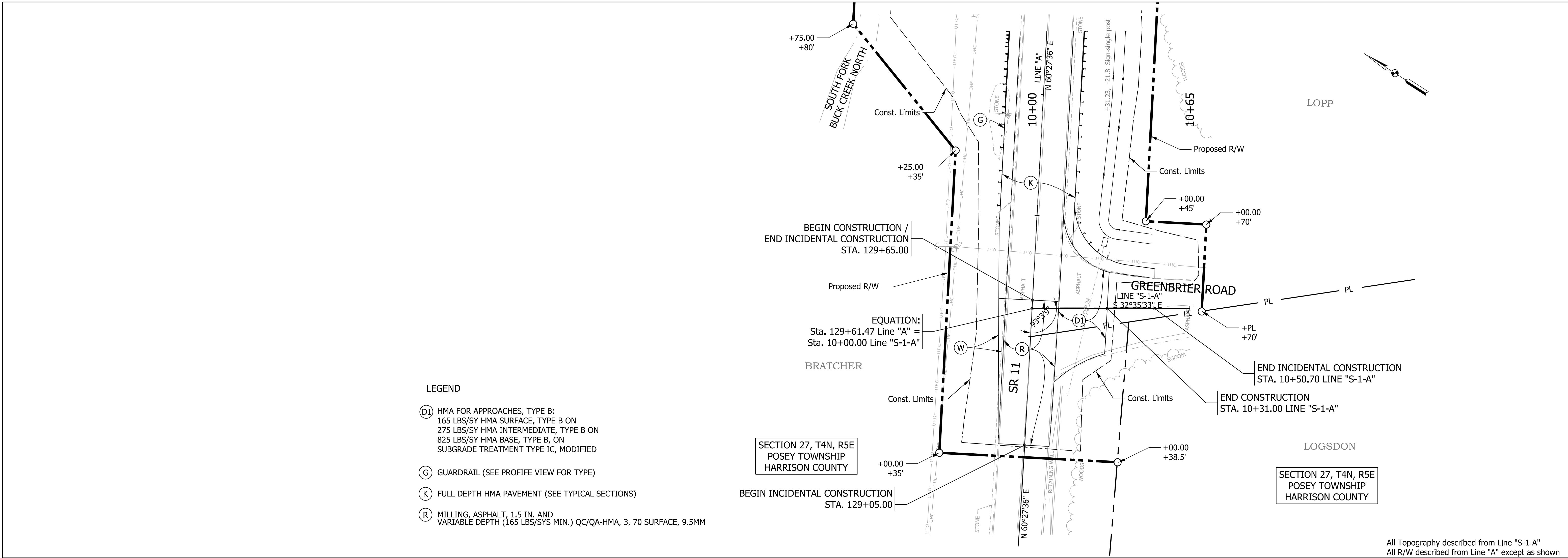


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: CLF _____	DRAWN: CLF _____	
CHECKED: JAS _____	CHECKED: JAS _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

SCALE AS NOTED	BRIDGE FILE 011-31-10182
	DESIGNATION 1600486
DRAWING NUMBER	SHEETS 5 of 22
CONTRACT B-39896	PROJECT 1600486

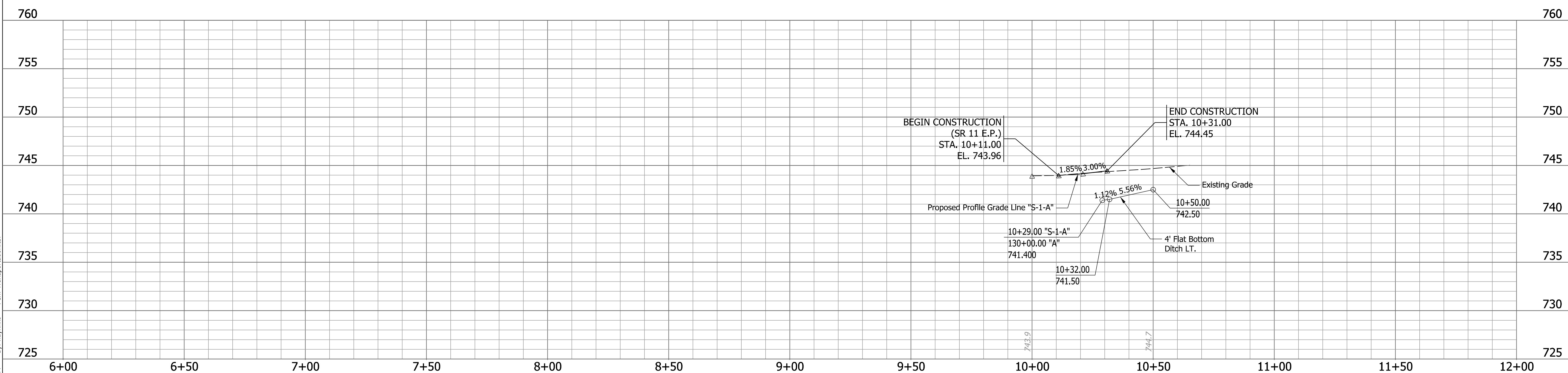


- LEGEND**
- (D1) HMA FOR APPROACHES, TYPE B:
165 LBS/SY HMA SURFACE, TYPE B ON
275 LBS/SY HMA INTERMEDIATE, TYPE B ON
825 LBS/SY HMA BASE, TYPE B, ON
SUBGRADE TREATMENT TYPE IC, MODIFIED
 - (G) GUARDRAIL (SEE PROFILE VIEW FOR TYPE)
 - (K) FULL DEPTH HMA PAVEMENT (SEE TYPICAL SECTIONS)
 - (R) MILLING, ASPHALT, 1.5 IN. AND
VARIABLE DEPTH (165 LBS/SYS MIN.) QC/QA-HMA, 3, 70 SURFACE, 9.5MM

SECTION 27, T4N, R5E
POSEY TOWNSHIP
HARRISON COUNTY

SECTION 27, T4N, R5E
POSEY TOWNSHIP
HARRISON COUNTY

All Topography described from Line "S-1-A"
All R/W described from Line "A" except as shown



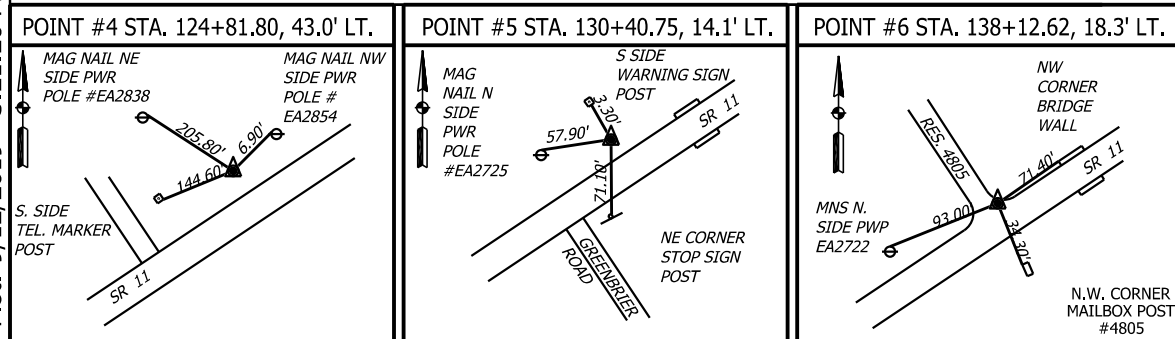
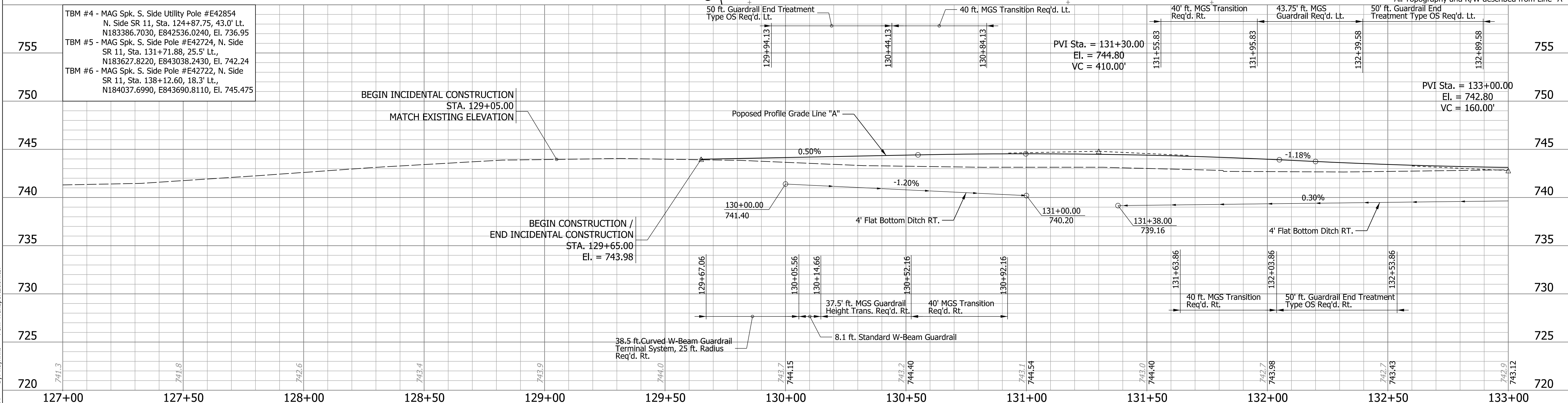
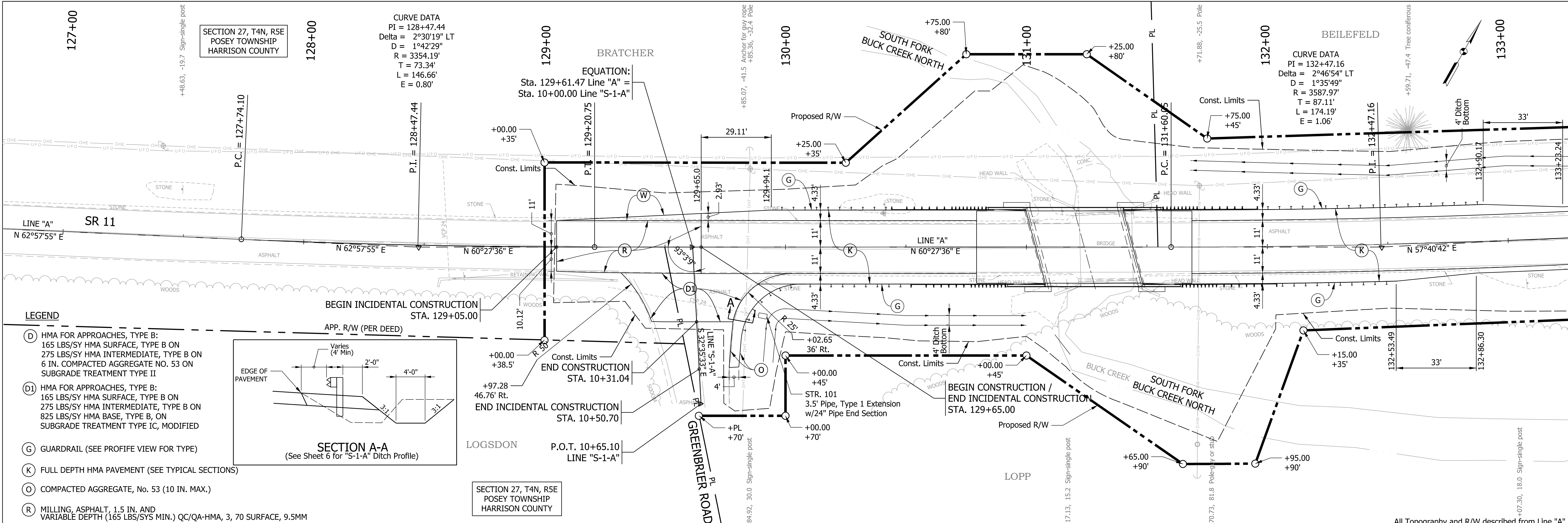
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ECL	DRAWN: KTH	
CHECKED: BWC	CHECKED: BWC	

INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN AND PROFILE LINE "S-1-A"	

SCALE	BRIDGE FILE
1" = 20'	011-31-10182
VERTICAL SCALE	DESIGNATION
1" = 5'	1600486
DRAWING NUMBER	SHEETS
of 6	of 22
CONTRACT	PROJECT
B-39896	1600486



Z:\Infra\2017\170118.06 - 6120 SR 11S Fork Buck C\CAD\Production Drawings\170118.06_Roadway_Plan and Profile.dgn Model:SR 11 Sheet 1

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RECOMMENDED FOR APPROVAL _____

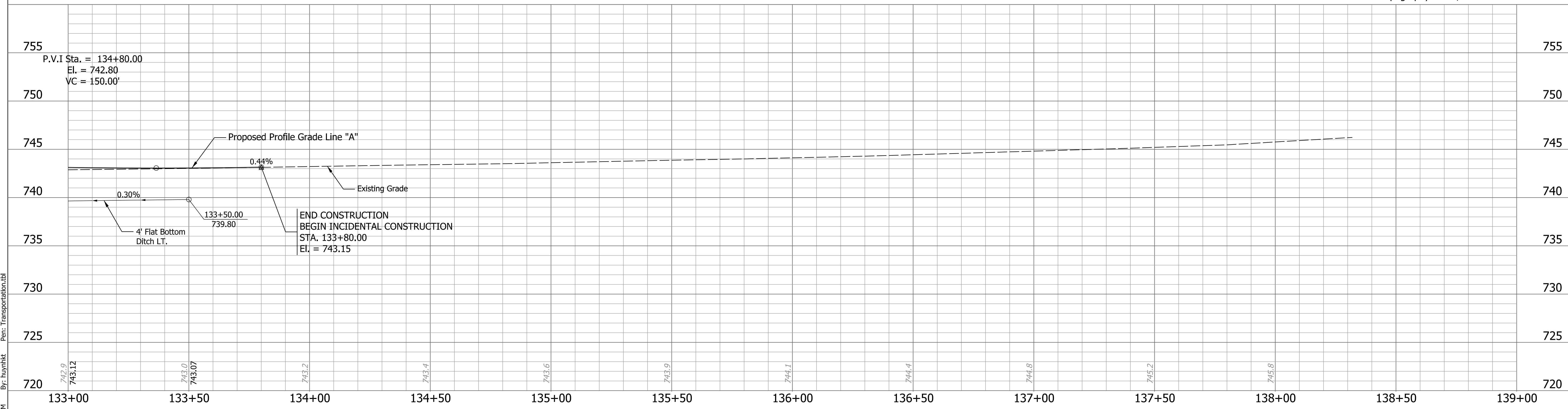
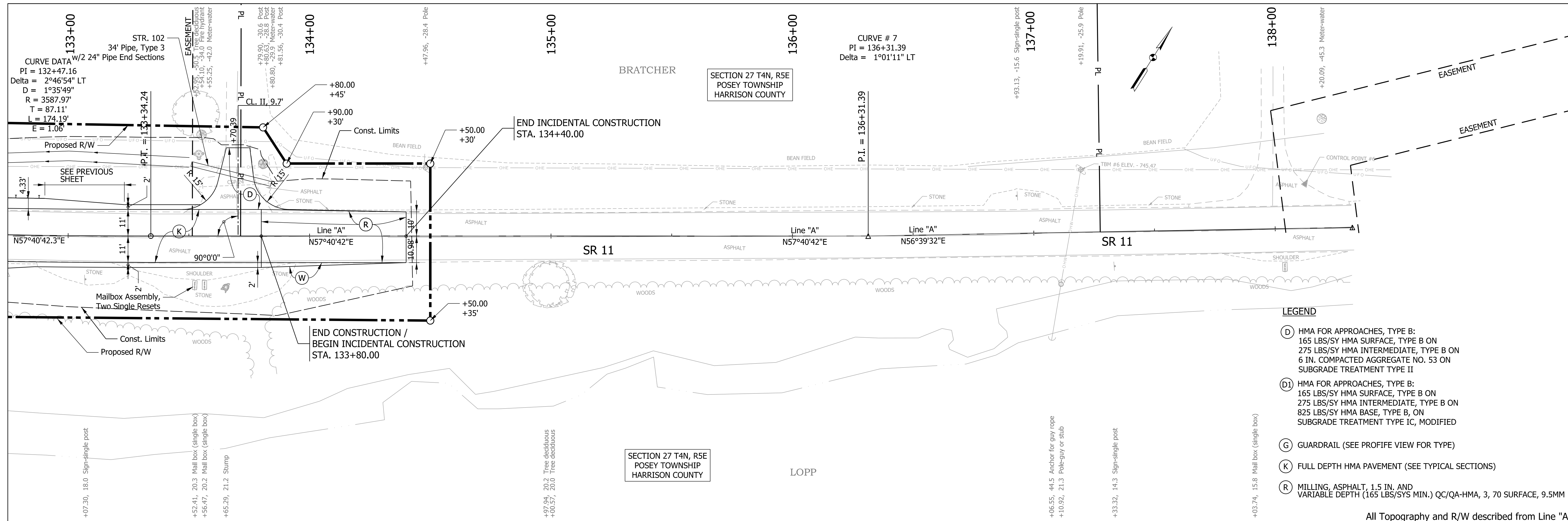
DESIGNED: ECL DRAWN: KTH

CHECKED: BWC CHECKED: BWC

**INDIANA
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
 LINE "A"**

SCALE 1" = 20'	BRIDGE FILE 011-31-10182
VERTICAL SCALE 1" = 5'	DESIGNATION 1600486
DRAWING NUMBER of	SHEETS 7 of 22
CONTRACT B-39896	PROJECT 1600486



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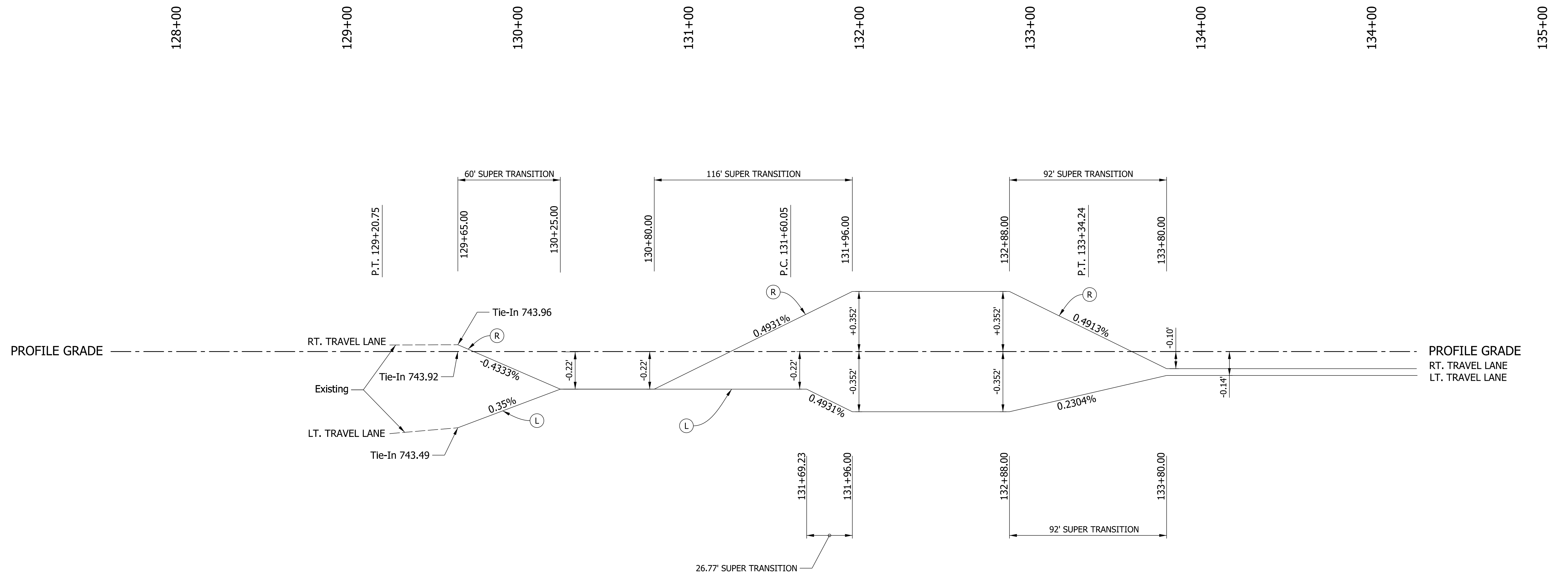
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ECL	DRAWN: KTH	
CHECKED: BWC	CHECKED: BWC	

INDIANA
DEPARTMENT OF TRANSPORTATION

**PLAN AND PROFILE
LINE "A"**

SCALE	BRIDGE FILE
1" = 20'	011-31-10182
VERTICAL SCALE	DESIGNATION
1" = 5'	1600486
DRAWING NUMBER	SHEETS
of	8 of 22
CONTRACT	PROJECT
B-39896	1600486

Plot: 9/11/2019 11:47:25 AM By: huynhkt Pen: Transportation.tbl



LEGEND

- (L) LEFT TRAVEL LANE
- (R) RIGHT TRAVEL LANE



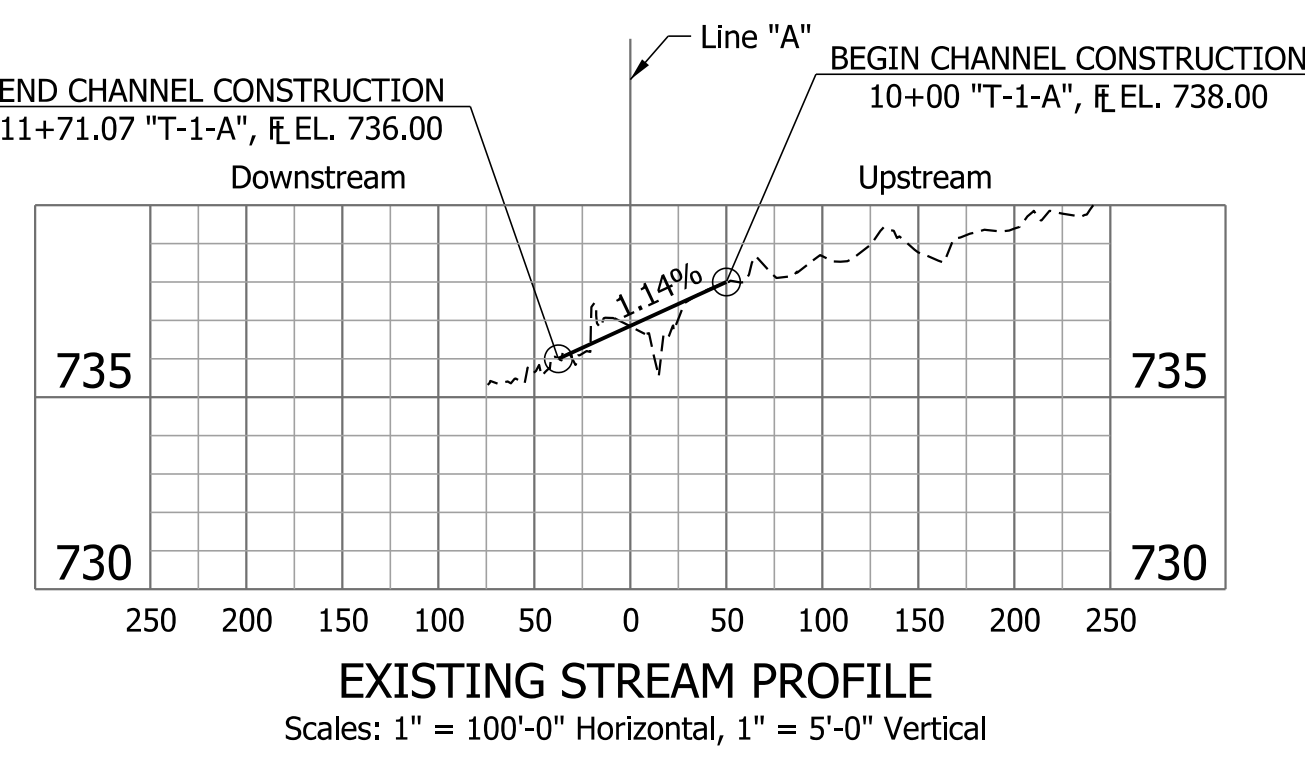
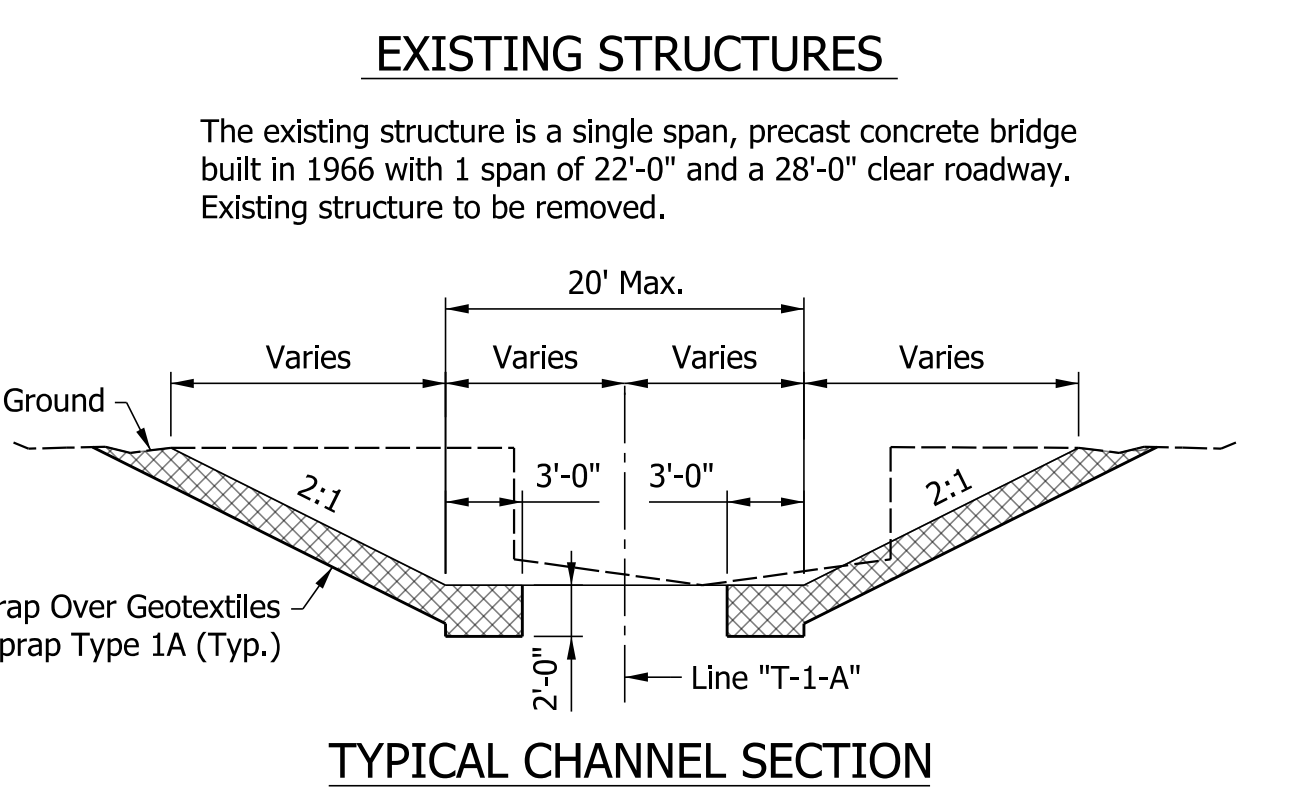
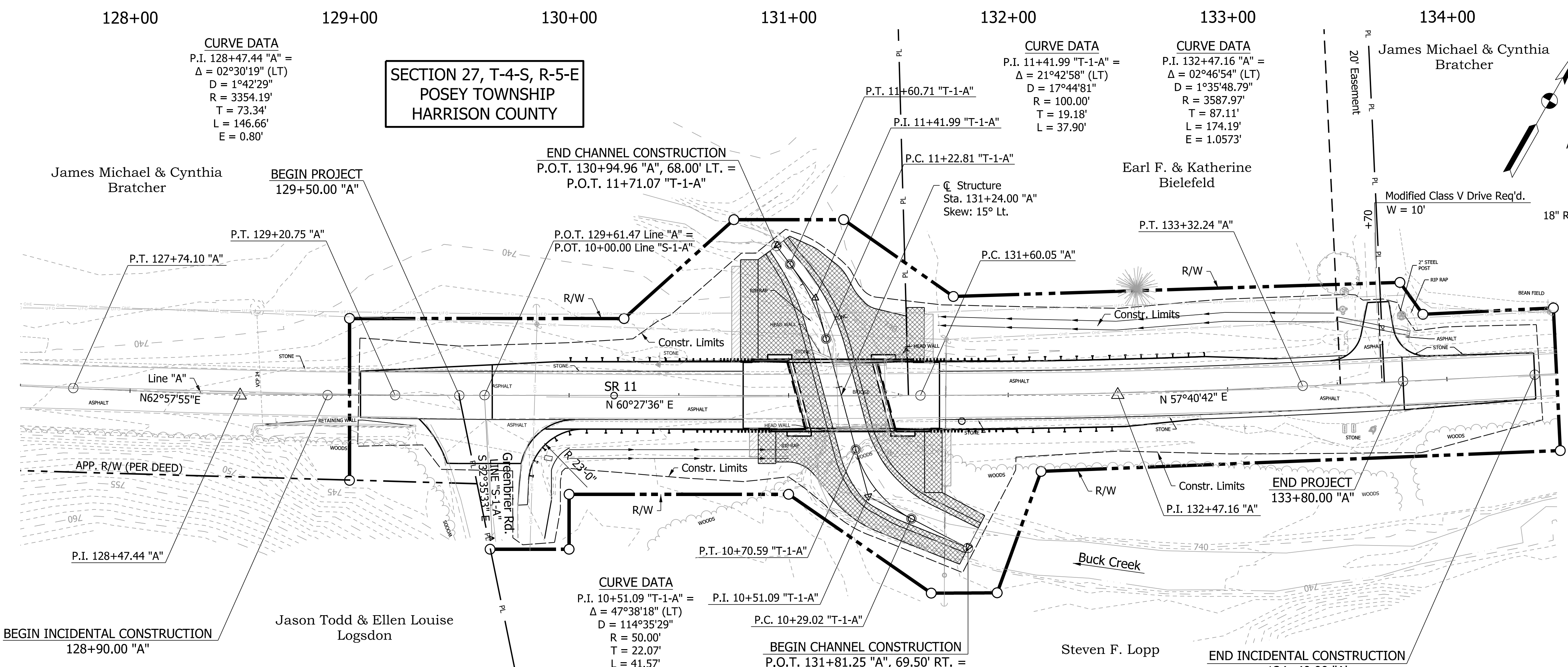
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: ECL _____	DRAWN: KTH _____	
CHECKED: BWC _____	CHECKED: BWC _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

SUPER ELEVATION DIAGRAM
LINE "A"

SCALE	BRIDGE FILE
N/A	011-31-10182
VERTICAL SCALE	DESIGNATION
	1600486
DRAWING NUMBER	SHEETS
of	9 of 22
CONTRACT	PROJECT
B-39896	1600486

**SECTION 27, T-4-S, R-5-E
POSEY TOWNSHIP
HARRISON COUNTY**



HYDRAULIC DATA

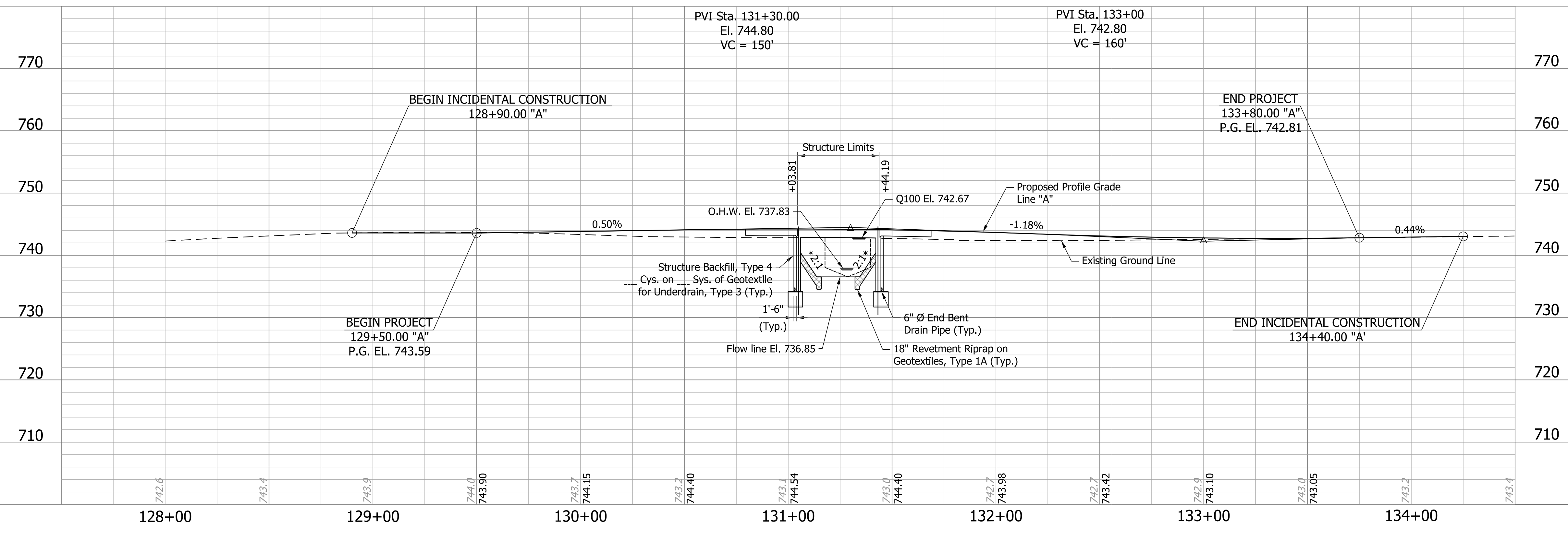
Waterway Opening Required =	729.92 sq.ft.
Waterway Opening Provided =	169.71 sq.ft.
Existing Road Overflow Waterway Area =	0 sq.ft.
Drainage Area =	1.59 sq.mi.
Design Discharge =	1400 cfs
Velocity Existing =	3.76 ft/s
Velocity Proposed =	5.06 ft/s
Q100 Elevation =	742.67 ft.
Existing Backwater at Q100 =	1.05 ft.
Proposed Backwater at Q100 =	0.50 ft.
Existing Q100 Headwater Elevation =	743.72 ft.
Proposed Q100 Headwater Elevation =	743.17 ft.
Existing Low Structure Elevation =	740.84 ft.
Proposed Low Structure Elevation =	742.83 ft.

HYDRAULIC SCOUR DATA

Q100 Discharge =	1400 cfs
Q100 Elevation =	742.67 ft.
Maximum Velocity at Q100 =	5.76 ft/sec
Scour Depth (Contraction) =	1.65 ft.
Scour Depth (Total) =	1.65 ft.
Low Scour Elevation =	735.20 ft.
Q500 Discharge =	1960 cfs
Q500 Elevation =	743.39 ft.
Maximum Velocity at Q500 =	5.71 ft/sec
Scour Depth (Contraction) =	2.72 ft.
Scour Depth (Total) =	2.72 ft.
Low Scour Elevation =	734.13 ft.

NOTES:
 All R/W on this sheet is described from Line "A".
 For guardrail limits and side ditch grades, see Road Plan and Profile Sheet.
 For alignment references, benchmarks and topo references, see Index.
 Cross-Hatched areas indicate limits of 18" Revetment Riprap over Geotextiles. (Est. Qty. = * Tons of 18" Revetment Riprap over * Sys. of Geotextiles)
 Hatched areas indicate limits of 4' wide sodding strip. (Est. Qty. = * Sys.)
 * ± To Abutment

REINFORCED CONCRETE SLAB BRIDGE
 SR 11 OVER SOUTH FORK BUCK CREEK
 1 SPAN: 38'-9⁷/₈" SKEW: 15° LT. CLEAR ROADWAY: 30'-0"
 HARRISON COUNTY



Plot: 9/11/2019 3:49:48 PM By: thomasm Per: Transportation.tbl
 Z:\Inra\2017\170118.06 - 6120 SR 11S Fork Buck C\CAD\Production Drawings\170118.06 Layout.dgn



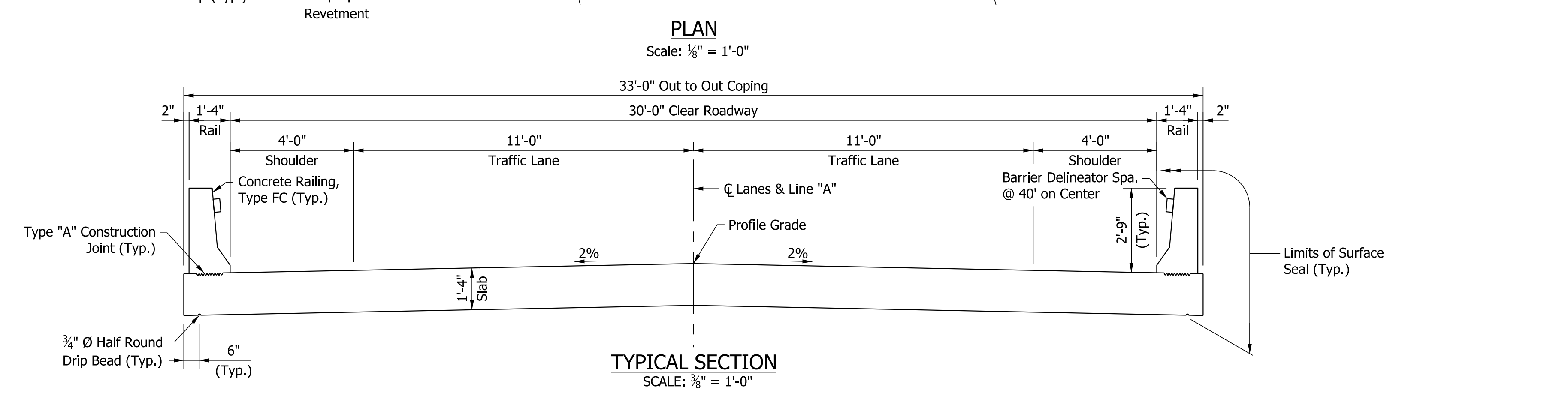
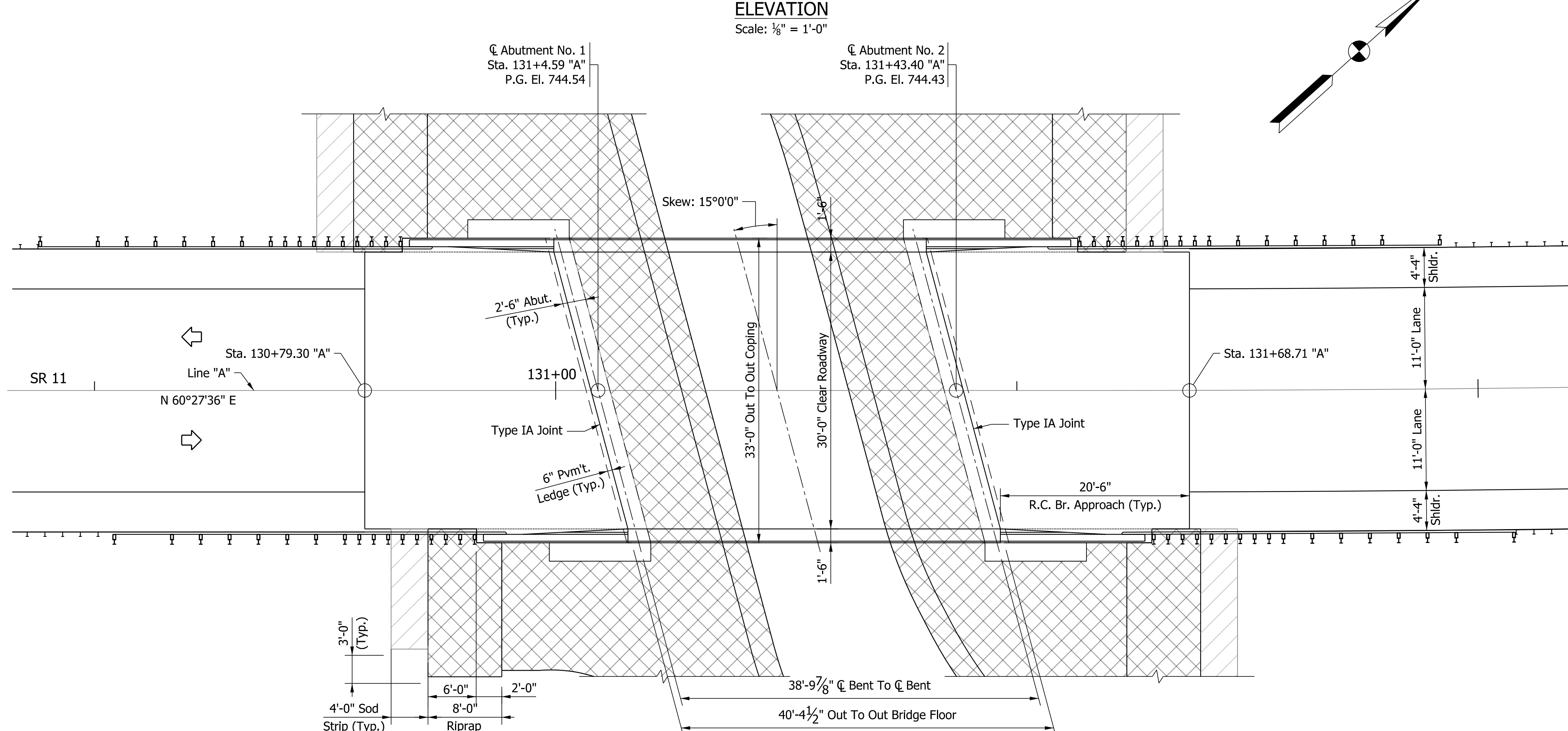
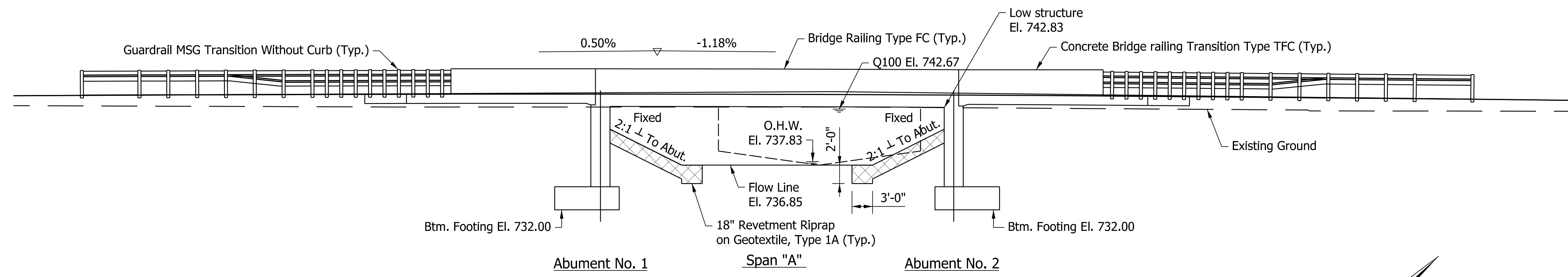
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: NRT	DRAWN: TMT	
CHECKED: KMP	CHECKED: KMP	

**INDIANA
DEPARTMENT OF TRANSPORTATION**

LAYOUT

HORIZONTAL SCALE 1"=30'-0", U.N.	BRIDGE FILE 011-31-10182
VERTICAL SCALE 1"=10'-0", U.N.	DESIGNATION 1600486
SHEETS 11 of 22	
CONTRACT B-39896	PROJECT 1600486

STRUCTURE TO BE BUILT ON A 150' VERTICAL CURVE



GENERAL NOTES

Reinforcing steel cover shall be 2 1/2" in top and 1" minimum in bottom of floor slab, 3" in footings, except bottom steel which shall be 4", and 2" in all other parts, unless noted.

DESIGN DATA

Superstructure and Substructure designed for HL-93 loading in accordance with AASHTO LRFD Bridge Design Specifications for Highway Bridges 8th Edition, 2010 and its subsequent interims.

DEAD LOAD

Actual weight plus 35 psf (composite) for future wearing surface and 15 (non-composite) for permanent metal deck forms.

FLOOR SLAB

Designed with a 7 1/2" structural depth plus a 1/2" sacrificial wearing surface.

DESIGN STRESSES

CONCRETE

Class "A" Concrete: f'c = 3,500 psi
 Class "B" Concrete: f'c = 3,000 psi
 Class "C" Concrete: f'c = 4,000 psi

REINFORCING STEEL

Grade 60 Fy = 60,000 psi

CONSTRUCTION LOADING

The exterior beam has been checked for strength, deflection, and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of the exterior beam. Finishing machine was assumed to be supported 6 in. outside the vertical coping form. The top overhang brackets were assumed to be located 6 in. past the edge of the vertical coping form. The bottom of overhang brackets were assumed to be braced against the intersection of the girder bottom flange and web.

DECK FALSEWORK LOADS

Designed for 15 lb/ft² for permanent metal stay-in-place deck forms, removable deck forms, and 2-ft exterior walkways.

CONSTRUCTION LIVE LOAD

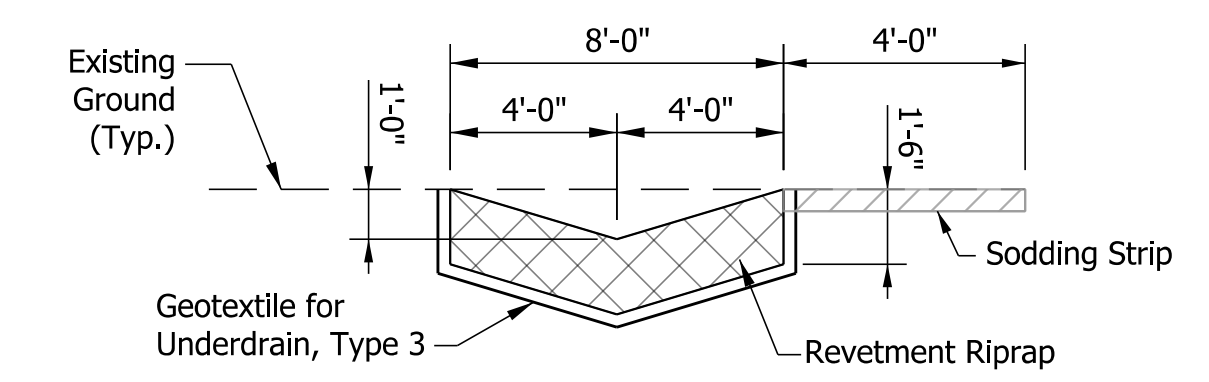
Designed for 20 lb/ft² extending 2 ft past the edge of coping and 75 lb/ft vertical force applied at a distance of 6 in. outside the face of coping over a 30-ft length of the deck centered with the finishing machine.

FINISHING MACHINE LOAD

4500 lb distributed over 10 ft along the coping.

WIND LOAD

Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.



REINFORCED CONCRETE SLAB BRIDGE

SR 11 OVER SOUTH FORK BUCK CREEK
 1 SPAN: 38'-9 7/8" SKEW: 15° LT. CLEAR ROADWAY: 30'-0"
 HARRISON COUNTY

Plot: 9/11/2019 3:49:51 PM By: thornstam Pen: Transportation.tbl



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: NRT	DRAWN: RLJ	
CHECKED: KMP	CHECKED: KMP	

INDIANA DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

BRIDGE FILE	011-31-10182
DESIGNATION	1600486
DRAWING NUMBER	SHEETS
CONTRACT	PROJECT
B-39896	1600486

SUMMARY OF BRIDGE QUANTITIES

ITEM	CONCRETE				CONCRETE RAILING CLASS C	CONC. BRIDGE RAILING TRAN., TBT	RAILING, PS-2	REINF. CONC. BRIDGE APPR., 10"	REINF. CONC. BRIDGE APPR., 12"	DENSE GRADED SUBBASE	REINF. STEEL	EPOXY COATED REINF. STEEL	STRUC-TURAL STEEL ***	ANCHOR PLATE	PILES										CONC. STR. MEMBERS		ANCHOR BOLT	BARRIER DELIN-EATOR	FIELD DRILLED HOLES IN CONCRETE	CONDUIT, PVC, 4"	SURFACE SEAL *	THREADED TIE BAR ASSEMBLY	FIELD DRILLED HOLES	CAST IRON , GRATES, BASINS & FITTINGS	INTEGRAL CONC. CURB	
	CLASS C	CLASS A	CLASS B	CLASS C											EPOXY COATED SHELLS	TEST, DYNAMIC, PRODUCTION	CONC., STEEL SHELL ENCASED	STEEL H	SHOE, HP ????	SLEEVES	TEST PILE, DYNAMIC, RESTRIKE	CORED HOLE IN ROCK, 18"	EXP. JOINT TYPE SS	BOX BEAM TYPE & SIZE	I BEAM TYPE & SIZE											
	NO.	LFT.	NO.	LFT.											NO.	LFT.	NO.	LFT.	NO.	LFT.	EACH	EACH	EACH	NO.	LFT.	LFT.										LFT.
TOTALS																																				

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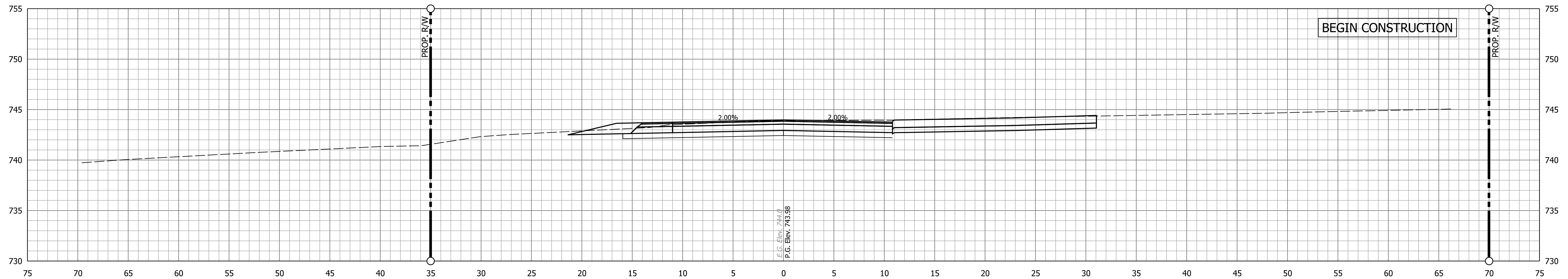


RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER _____ DATE _____
 DESIGNED: KMP _____ DRAWN: TMT _____
 CHECKED: TDJ _____ CHECKED: KMP _____

**INDIANA
DEPARTMENT OF TRANSPORTATION**

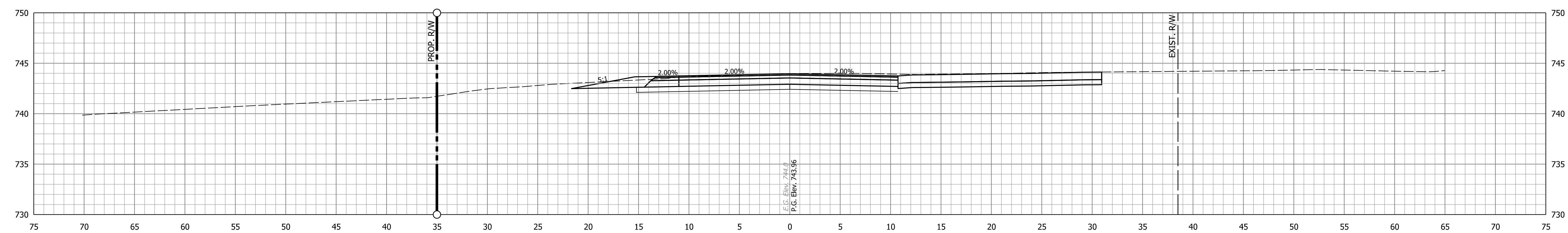
BRIDGE SUMMARY

SCALE AS NOTED	BRIDGE FILE 011-31-10182
	DESIGNATION 1600486
	SHEETS 13 of 22
CONTRACT B-39896	PROJECT 1600486



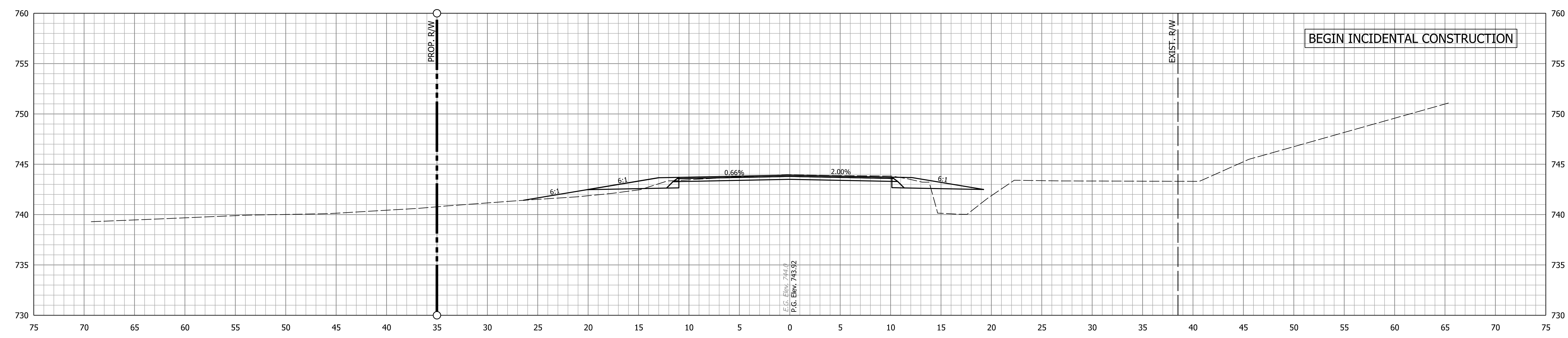
Ac = 55.5 SFT Af = 0.0 SFT
Vc = 64.0 CYS Vf = 7.4 CYS

129+65.00



Ac = 70.0 SFT Af = 0.0 SFT
Vc = 34.9 CYS Vf = 0.0 CYS

129+50.00



Ac = 13.2 SFT Af = 19.2 SFT
Vc = 69.3 CYS Vf = 16.0 CYS

129+05.00

Plot: 9/12/2019 12:15:17 PM By: huynhkt Pen: Transportation.tbl

STA. 129+05.02 TO STA. 129+50.00



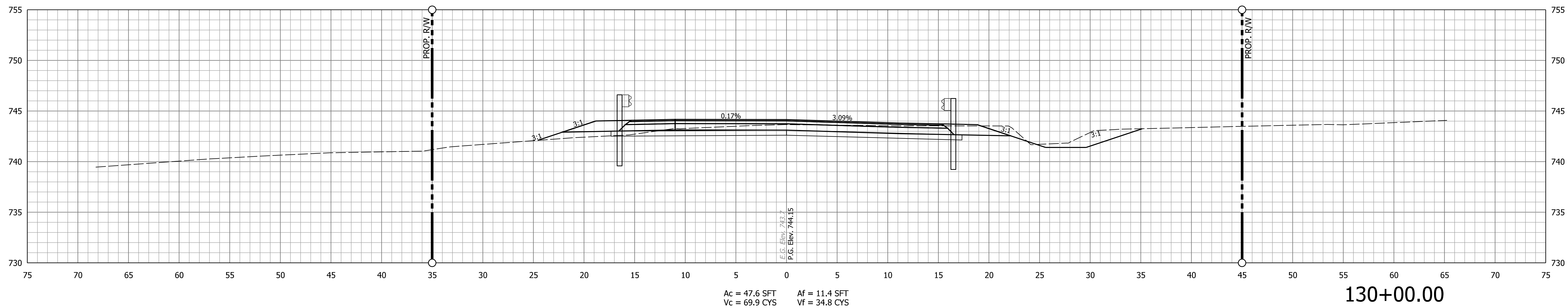
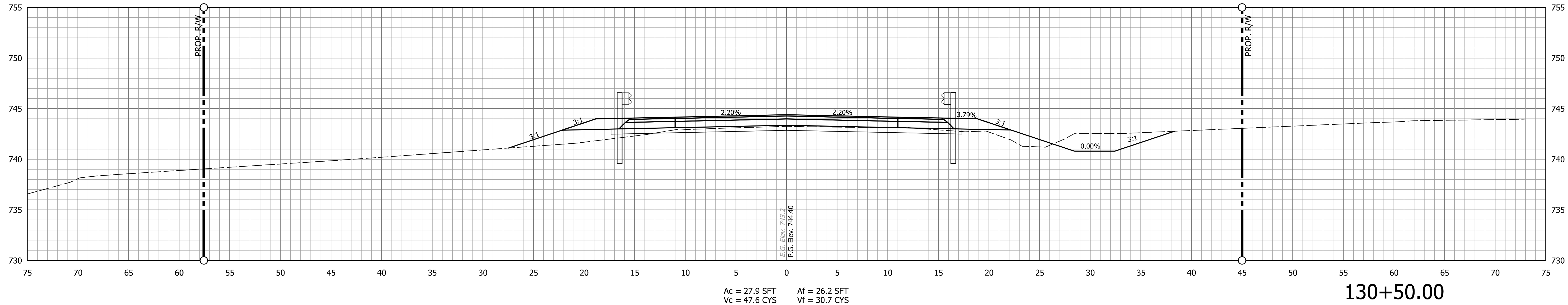
RECOMMENDED FOR APPROVAL _____
DESIGNED: _____ DRAWN: _____
CHECKED: _____ CHECKED: _____

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	14 of 22
	PROJECT

Plot: 9/12/2019 12:15:19 PM By: huynhkt Pen: Transportation.tbl



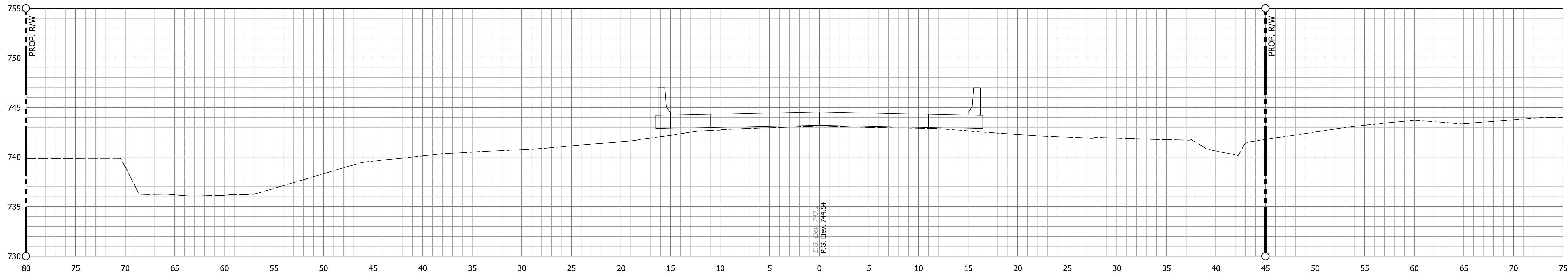
RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER _____ DATE _____

DESIGNED: _____ DRAWN: _____
 CHECKED: _____ CHECKED: _____

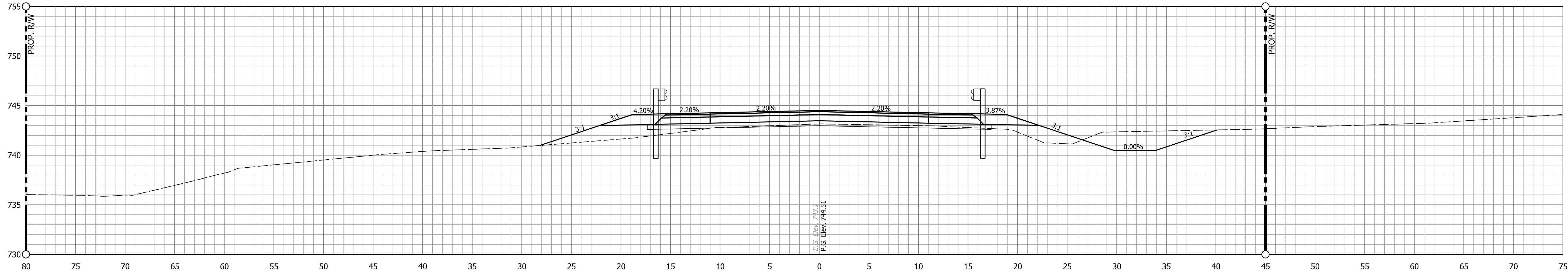
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	15 of 22
	PROJECT



131+00.00



Ac = 24.6 SFT Af = 43.0 SFT
 Vc = 32.3 CYS Vf = 63.1 CYS

130+79.30

Plot: 9/12/2019 12:15:20 PM By: huynhkt Pen: Transportation.tbl

STA. 130+79.30 TO STA. 131+00.00



RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER _____ DATE _____

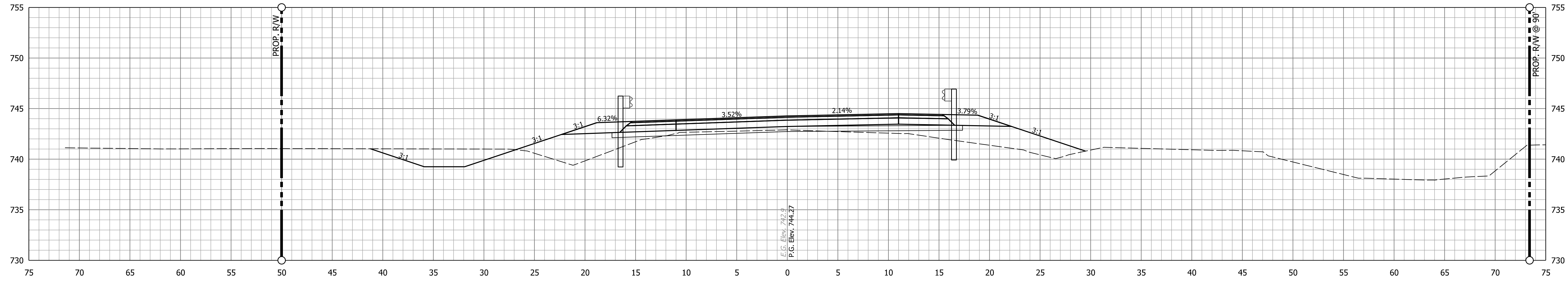
DESIGNED: _____ DRAWN: _____
 CHECKED: _____ CHECKED: _____

INDIANA
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 LINE "A"

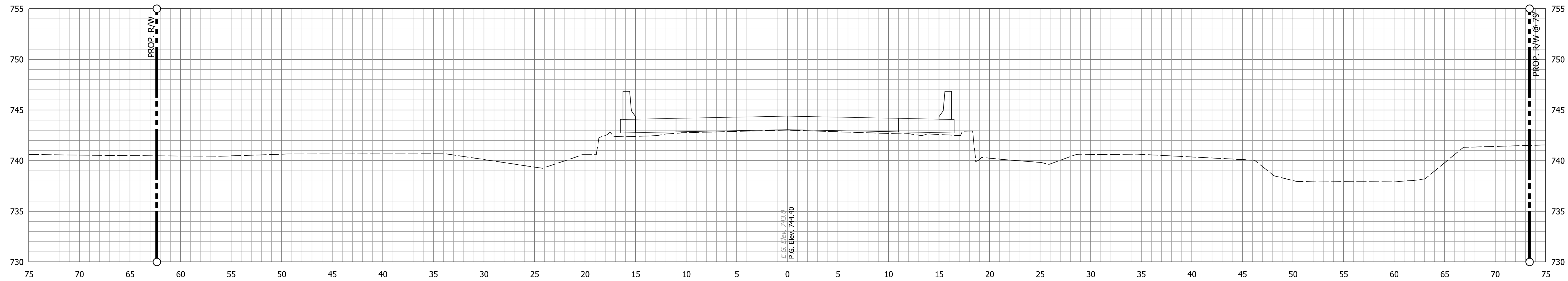
SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	16 of 22
	PROJECT

Plot: 9/12/2019 12:15:22 PM By: huynhkt Pen: Transportation.tbl



Ac = 20.0 SFT Af = 70.7 SFT
Vc = 35.8 CYS Vf = 74.8 CYS

131+68.71



131+50.00



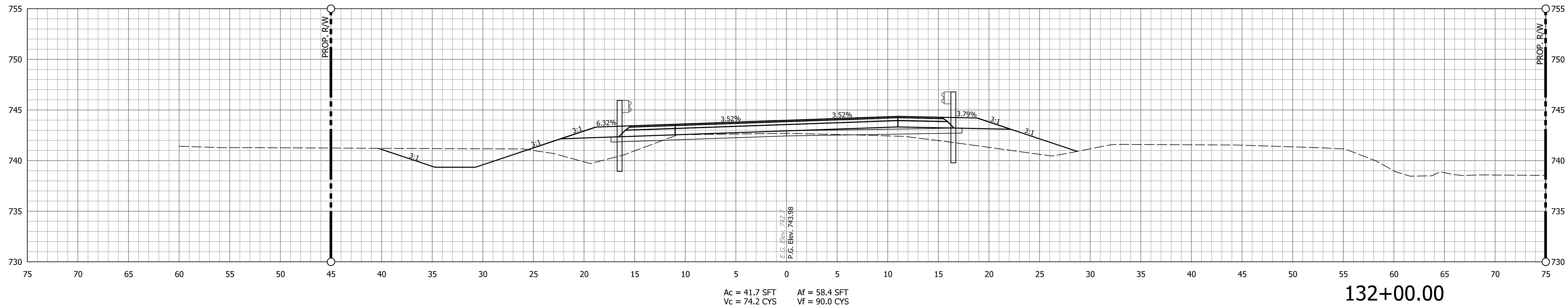
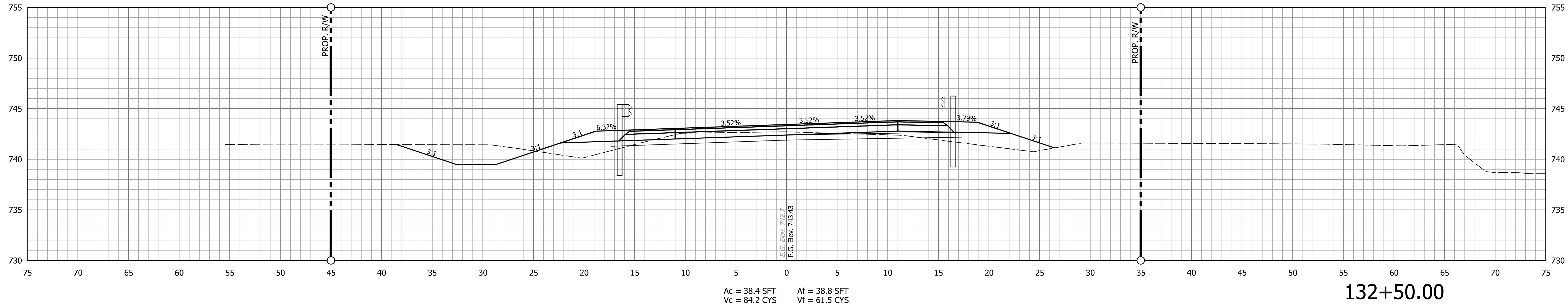
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____	DRAWN: _____	
CHECKED: _____	CHECKED: _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	17 of 22
	PROJECT

Plot: 9/12/2019 12:15:24 PM By: huynhkt Pen: Transportation.tbl



RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER _____ DATE _____

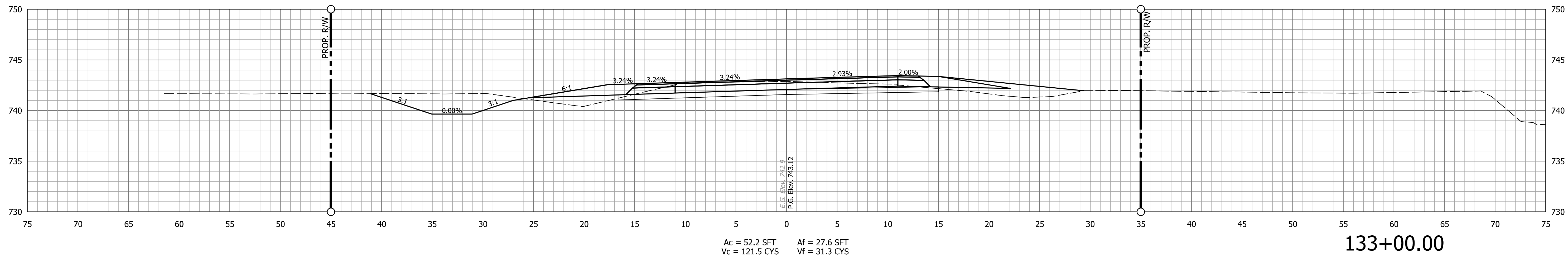
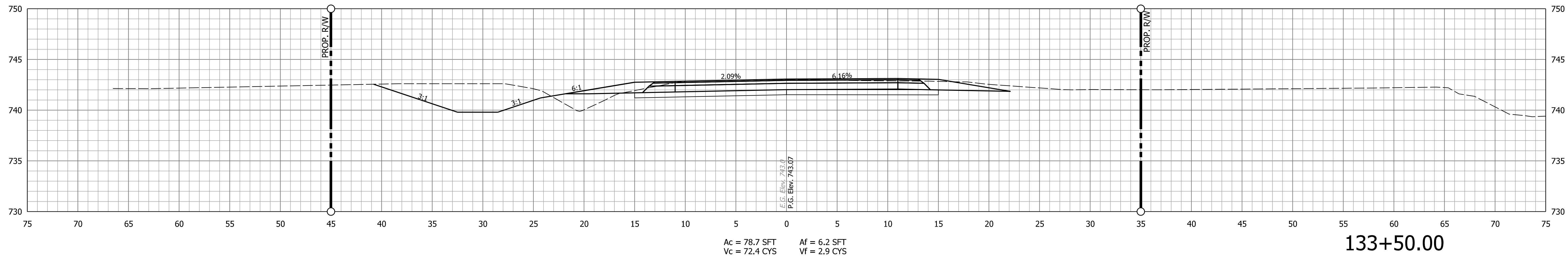
DESIGNED: _____ DRAWN: _____
 CHECKED: _____ CHECKED: _____

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	18 of 22
	PROJECT

Plot: 9/12/2019 12:15:25 PM By: huynhkt Pen: Transportation.tbl

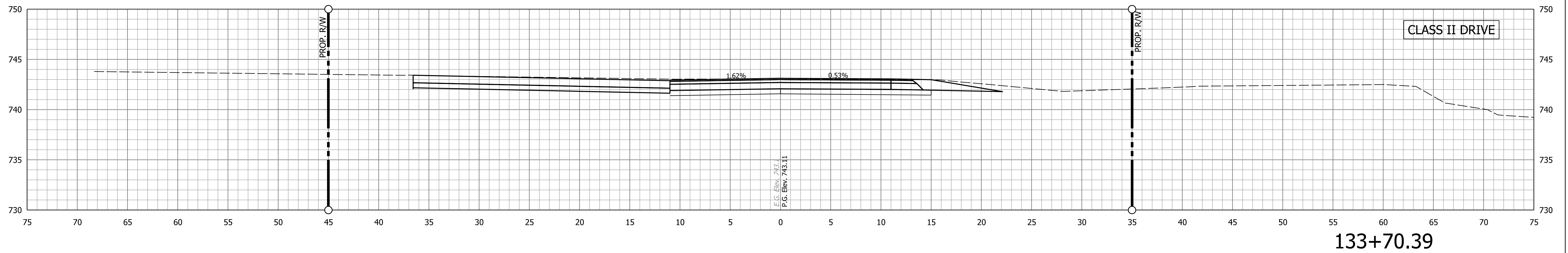
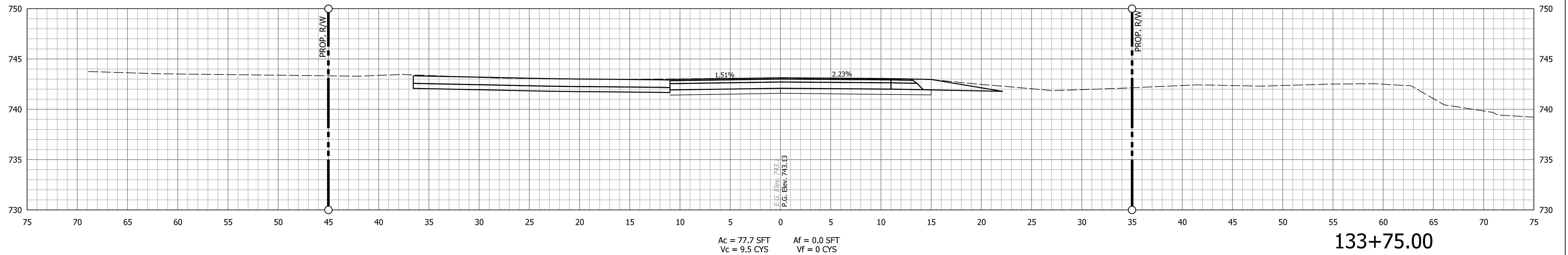


RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER _____ DATE _____
 DESIGNED: _____ DRAWN: _____
 CHECKED: _____ CHECKED: _____

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	19 of 22
	PROJECT



Plot: 9/12/2019 12:15:27 PM By: huynhkt Pen: Transportation.tbl

STA. 133+70.39 TO STA. 133+75.00



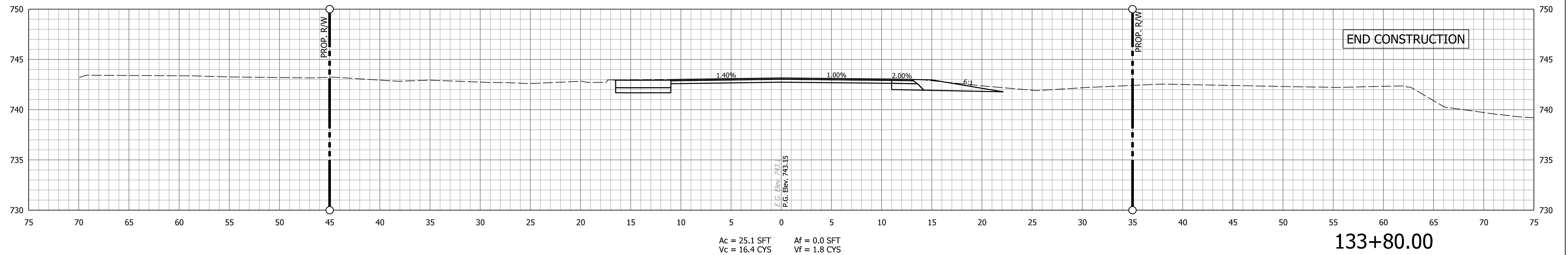
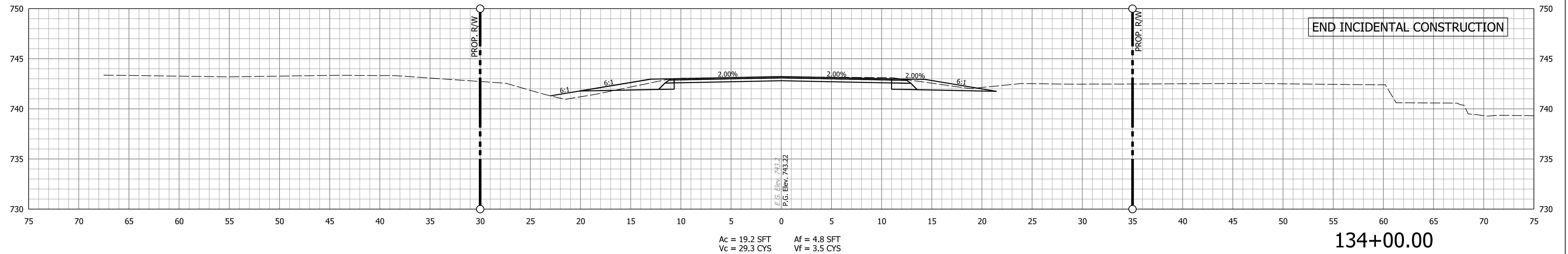
RECOMMENDED FOR APPROVAL _____
DESIGNED: _____ DRAWN: _____
CHECKED: _____ CHECKED: _____

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	20 of 22
	PROJECT

Plot: 9/12/2019 12:15:28 PM By: huynhkt Pen: Transportation.tbl



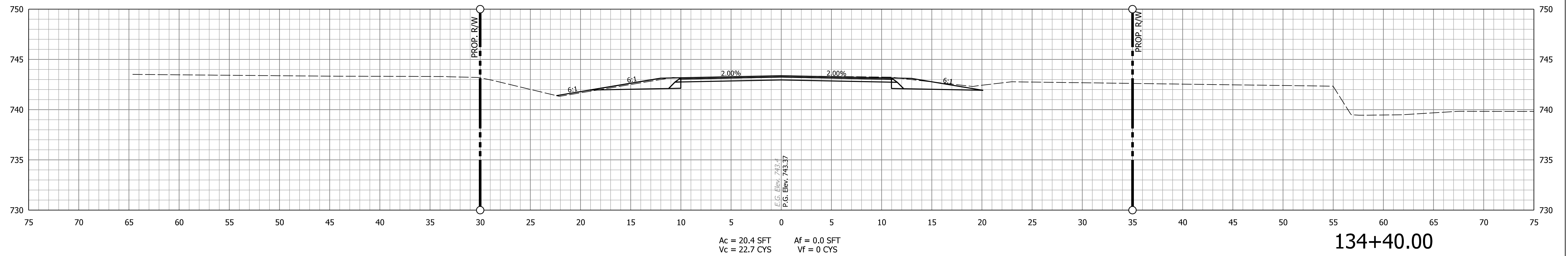
RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER _____ DATE _____
 DESIGNED: _____ DRAWN: _____
 CHECKED: _____ CHECKED: _____

INDIANA
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 LINE "A"

SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	21 of 22
	PROJECT

Plot: 9/12/2019 12:15:30 PM By: huynhkt Pen: Transportation.tbl



RECOMMENDED FOR APPROVAL _____
DESIGNED: _____ DRAWN: _____
CHECKED: _____ CHECKED: _____

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "A"

SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	22 of 22
	PROJECT